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Twenty-Eighth Annual Report

OF THE

Bureau of Labor Statistics

Compliments of

Bureau of Labor Statistics.

M. D. Ratchford,

Columbus, Ohio. Commissioner.

For the Year 1904

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LETTER OF TRANSMITTAL.

STATE OF OHIO, BUREAU OF LABOR STATISTICS,
COLUMBUS, OHIO, Dec. 22, 1904.

To his Excellency, Myron T. Herrick, Governor of Ohio.

SIR:—I have the honor to submit to you, and through you to the General Assembly, the twenty-eighth annual report of the Bureau of Labor Statistics, as required by Section 310 of the Revised Statutes of Ohio.

Very respectfully,

M. D. RATCHFORD,
Commissioner.

STATE OF OHIO.

BUREAU OF LABOR STATISTICS.

Hon. M. D. Ratchford ..... Commissioner.
Frank Ashman ..... Chief Clerk.
Nellie E. Sheehan ..... Stenographer.
Clara M. Carmichael ..... Clerk.
E. C. Welker ..... Clerk.
Annette C. Zimmer ..... Clerk.

(Copies of this edition can be obtained on application to the Bureau.)

INTRODUCTORY.

In presenting this, the twenty-eighth annual report, which is composed chiefly of an investigation of General Manufactures and Mining, there is indeed a great pleasure and satisfaction in knowing that the subjects chosen are not only subjects of great common interest and concern, but also that the business accounted for in the aggregate, in both branches of inquiry, is most gratifying. In this particular at least, if not in the manner in which the facts obtained are compiled and presented, the report is the fullest and most complete ever published by this Department.

MANUFACTURES.

The manufacturing establishments from which full returns have been received during the year are 7,961, which, compared with the returns of last year show an increase of 2,096, and an increase over the average number of returns received during the last ten years (1893-1902) of 5,034. The number of persons employed, capital invested and value of products all show an increase in about equal proportion as compared with the same period. The only feature of the investigation which tends to show a declining tendency is that relating to wages. The number of wage earners affected by an advance in wages was 62,537, and the average advance was 7.9 per cent. The number so affected in 1902 was 96,257, when the average advance was 9.1 per cent. The number affected by a reduction in wages was 4,267, and the reduction pro rata was 6.5 per cent. The number so affected in 1902 was 895, and the proportion of each was 6.6 per cent. The aggregate wages paid to labor in excess of the amount paid in 1902 was $15,913,100, which fact is explained by the greatly increased number of wage workers accounted for as compared with that year.

For those very substantial gains, which has done so much to improve and facilitate this branch of the service, and made its reports a standard text book of Ohio's industrial conditions, the Bureau is indebted to the Legislature for the improvement of lax and inefficient laws, to the owners and managers of corporations and properties, and to the present corps of officers and agents for the very efficient services rendered.

COAL MINING.

From the investigations of the Bureau it is very apparent, that the mining of coal has become, and in all probability will continue to remain,

one of the most important industries of the State for many years to come.

The rolling mill products, it is true, show a greater value, as do also the products of foundry and machine shop, finished machinery and clothing; but mining shows a greater number of persons employed and a greater aggregate wages than any of the leading manufacturing industries, excepting the iron industry alone, which, as will be noted from the tables, includes the manufacture of steel, iron and tinplate of all grades and description.

A comparison of the figures with those of last report shows some very decided gains in almost every phase of the inquiry. The number of mines reporting was 575, which is an increase of 42; the number of persons employed, including inside and outside labor of all classes, has increased 6,048; the capital invested shows an increase of $9,686,445, and the value of the produce has advanced $4,474,035. There is also an increase shown in the total wages paid of $3,551,610, or an increase in the average yearly earning per employe of $55.32. The amount paid for rent, taxes and insurance also has increased by $297,956 while the average number of days worked shows a falling off of one week.

The slight discrepancy between the general advance in mining of 12.5 per cent., which took effect in April of last year, and the advance as shown by the tables, is explained by the fact that a number of the reports, more especially from the smaller operations, shows some variation from this figure. The results arrived at are compiled from the actual returns received, and the advance shown affects 26,950 persons.

This splendid condition of the industry indeed reflects much credit on both operators and miners alike. A system of annual contracts, covering each field in the State, and bearing a proper relation to every other competing field, has been devised and adopted as a part of their general agreement. Under such system periodical strikes, lockouts and suspensions are less frequent, to the very great advantage of all concerned. The present condition of the industry might be said to be comparatively prosperous, with values fair and business unusually active.

FREE PUBLIC EMPLOYMENT OFFICES.

In reference to the free public employment offices of the State: The laws governing have been amended by the last session of the General Assembly, in some respects, to meet the wishes of the officers in charge.

The number of persons finding employment through those free agencies (five in all), as officially reported to this Bureau for the twelve months ending October 31st last, was 15,563. The total cost of maintenance for the same period, including salaries, was $12,897, or an average cost of $0.8287 for each person employed.

There is a growing belief among a great many observing, well-meaning people, that, so far as it is possible to bring about, politics and

political environments should be sufficiently removed from those offices to enable the superintendents in charge to devote their whole time to the duties of their office. With this sentiment the Bureau has no quarrel whatever, and it is hoped that all others who are interested in the success of those agencies will agree that upon this question there is no room for differences. From the nature of the duties of those offices, the closest personal attention is required, and as attention to duty is one of the first requisites to success in any line of business activity, this quality is no less essential on the part of those who find employment for 15,000 to 20,000 people annually, than on the part of employers who utilize this vast army of labor to advantage. In either case strict business rules and principles must apply if the highest and best results are to be obtained.

There has been no change in the personnel of the force of those offices since last report.

PRIVATE EMPLOYMENT AGENCIES.

The license law enacted by the last session of the General Assembly, regulating private employment agencies, or rather regulating agencies that are organized and conducting business for profit, and which will be found published elsewhere in this volume, has on the whole proven a most beneficient measure, more especially to those who are obliged to depend upon such agencies for employment. It is to be hoped indeed that such law will not only continue intact and be amended from time to time as occasion may require, but that all violations thereof will be met by prompt action and such punishment as may be justly deserved.

Since the 26th of June last, the date upon which such statute went into effect, licenses have been issued to twenty-one (21) offices, in the following cities: Cleveland, 9; Cincinnati, 7; Columbus, 2; Toledo, 1; Dayton, 1; and Canton, 1. Of the prosecutions instituted against alleged violations, numbering 11 in all, there are five cases still pending awaiting the action of the grand juries of Cuyahoga and Hamilton counties; five others have pleaded guilty, either paying their fine or asking the mercy of the court. In some instances, the fine or a portion of it was remitted. In the remaining case, prosecution was suspended by the Law Department for what was believed to be good and sufficient cause. The revenue derived through the operation of this law to date from all sources, including fees and fines, is $2,150.

To all who have contributed to this report, the Bureau is desirous of expressing its thanks and appreciation, and more especially to the Chief Executive and his official force for the kind courtesies and consideration always extended.

PART 1.

Laws Governing the Bureau, Recent Labor Laws and Court Decisions.

LAWS.

Governing the Bureau of Labor Statistics.

SEC. 307. The commissioner of labor statistics shall be appointed by the governor, by and with the advice and consent of the senate, and shall hold his office for two years.

SEC. 308. The commissioner shall have an office in the state house which shall be a bureau of labor statistics, and he shall collect, arrange and systematize all statistics relating to the industrial, social, educational, and sanitary conditions of the laboring classes, and to the productive industries of the state, including the names of firms, companies, or corporations, where located, capital invested in grounds, buildings, and machinery; class and value of goods produced or manufactured; number of days in operation; amount paid yearly, for rent, taxes and insurance; amount paid in wages; number of employes, male and female; number engaged in clerical work and manual labor, with detailed classification of the number and sex engaged in each class or occupation, and the average daily wages paid to each. Said commissioner is authorized to appoint special agents to represent the bureau with authority to visit the delinquent firms and collect such statistics and perform such other duties as may be required, with like power as is conferred by law upon said commissioner; provided, that the compensation of such agents is paid from the contingent fund of the bureau. Said commissioner is hereby authorized and directed, immediately after the passage of this act, to arganize and establish in all cities of the first class, and cities of the first and second grade of the second class in the state of Ohio, a free public employment office, and shall appoint one superintendent for each of said offices to discharge the duties hereinafter set forth. Said superintendents shall cause to be posted in front of their said offices on a sign board, or in a suitable place on the building where such offices are located, the words, "Free public employment office." It shall be the duty of such superintendents to receive all applications for labor of those desiring employment and those desiring to employ labor, and record their names in a book kept for that purpose, designating opposite the name of each applicant the character of employment of labor desired, and the address of such applicant. Each of said superintendents shall be provided with such clerical assistance as in the judgment of the commissioner may appear necessary for properly conducting the duties of their several offices.

No compensation or fees shall, directly or indirectly be charged

to or received from any person or persons seeking employment, or any person or persons desiring to employ labor through any of said offices. Said superintendent shall make a weekly report on Thursday of each week to said commissioner of all persons desiring to employ labor, and the class thereof, and all persons applying for employment through their respective offices, and the character of employment desired by each applicant; also, of all persons securing employment through their respective offices, and the character thereof, and a semi-annual report of the expense of maintaining such offices. Said commissioner shall cause to be printed weekly a list of all applicants and the character of employment desired by them, and of those desiring to employ labor, and the class thereof, received by him from the respective offices aforesaid, and cause a true copy of such list on Monday of each week to be mailed to the superintendent of each of said offices in the state, which said list by the superintendent shall be posted immediately, on receipt thereof, in a conspicuous place in his office, subject to the inspection of all persons desiring employment. Said superintendents shall perform such other duties in the collection of labor statistics as said commissioner shall determine. Any superintendent or clerk, as herein provided, who directly or indirectly charges or receives any compensation from any person whomsoever in securing employment or labor for any other person, or persons, as provided in this act, shall be deemed guilty of a misdemeanor, and be fined in any sum not exceeding fifty dollars and imprisoned in the county jail or workhouse not exceeding thirty days. Said superintendent of each of such offices shall receive a salary of twelve hundred dollars per annum, and said clerk shall receive a salary of six hundred dollars per annum, payable monthly. Said salaries shall be paid upon warrant of the auditor of state on the treasurer of state from the state funds through the bureau of labor statistics.

SEC. 308*a*. The tenure of office for all superintendents and clerks of free public employment offices shall be two years from the date of appointment, but the commissioner of labor statistics shall have the power of removing any of such superintendents and clerks for good and sufficient cause, and all appointments and removals of such superintendents and clerks shall be made with the consent of the governor.

SEC. 309. The commissioner shall have power to send for persons and papers, to examine witnesses under oath, to take depositions, to cause them to be taken by others by law authorized to take depositions; and said commissioner may deputize any uninterested person to serve subpœnas upon witnesses, who shall be summoned in the same manner and paid the same fees as witnesses before a county court, but for this purpose persons are not required to leave the vicinity of their residence or place of business, and any person or owner, operator, manager or lessee of any mine, factory, workshop, warehouse, elevator, foundry, machine shop, manufacturing or other industrial establishment, or any agent or employe

of such owner, operator, manager or lessee who shall refuse said commissioner admission therein for the purpose of inspection, or who shall when requested by him, wilfully neglect or refuse to furnish to him any statistics or other information relative to his lawful duties which may be in their possession or under their control, or who shall wilfully neglect or refuse, for thirty days, to answer such questions by circular or upon personal application, or who shall knowingly answer any such questions untruthfully, or who shall refuse to obey the subpœnas and give testimony according to the provisions of this act shall, for every such wilful neglect or refusal be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine of not less than fifty nor more than five hundred dollars..

SEC. 310. The commissioner shall make an annual report to the general assembly of the work done by the bureau. Said report shall be so compiled so as not to expose, without written consent, the name or private affairs of any person, firm, company or corporation that has furnished such information as the bureau requires.

AN ACT.

To amend sections 308 and 308a of the Revised Statutes of Ohio, relating to the duties of the commissioner of labor statistics, the appointment, duties and compensation of superintendents and clerks of free public employment offices.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That sections 308 and 308*a* of the Revised Statutes of Ohio, be amended so as to read as follows:

Sec. 308. The commissioner shall have an office in the state house which shall be a bureau of labor statistics, and he shall colect arrange and systematize all statistics relating to the industrial, social, educational and sanitary conditions of the laboring classes, and to the productive industries of the state, including the names of firms, companies, or corporations, where located, capital invested in grounds, buildings, and machinery; class and value of goods produced or manufactured; number of days in operation; amount paid yearly for rent, taxes and insurance; amount paid in wages; number of employes, male and female; number engaged in clerical work and manual labor, with detailed classification of the number and sex engaged in each class or occupation, and the average daily wages paid to each.

Said commissioner is authorized to appoint special agents to represent the bureau with authority to visit the delinquent firms and collect such statistics, and perform such other duties as may be required, with like

power as is conferred by law upon said commissioner; provided, that the compensation of such agents is paid from the contingent fund of the bureau. For the purpose of carrying out the provisions of this act, the state is hereby divided into five districts, the boundaries of which shall be designated by the governor and said commissioner and the governor and said commissioner shall appoint one superintendent for each of said districts to discharge the duties hereinafter set forth. Said superintendents shall cause to be posted in front of their said offices, on a sign board, or in a suitable place on the buildig where such offices are located, the words, "Free Public Employment Office."

It shall be the duty of such superintendents to receive all applications for labor of those desiring employment and those desiring to employ labor, and record their names in a book kept for that purpose, designating opposite the name of each applicant the character of employment or labor desired, and the name of such applicant. Each of said superintendents shall be provided with a clerk if in the judgment of the commissioner the same may appear necessary for properly conducting the duties of their several offices.

No compensation or fee shall, directly or indirectly, be charged to or received from any person or persons seeking employment or any person or persons desiring to employ labor through any of said offices. Said superintendent shall make a weekly report on Thursday of each week to said commissioner of all persons desiring to employ labor, and the class thereof, and all persons applying for employment through their respective offices, and the character of employment desired by each applicant; also, of all persons securing employment through their respective offices, and the character thereof, and a semi-annual report of the expense of maintaining such offices. Said commissioner shall cause to be printed weekly a list of all applicants and the characters of employment desired by them, and of those desiring to employ labor, and the class thereof, received by him from the respective offices aforesaid, and cause a true copy of such list on Monday of each week to be mailed to the superintendent of each of said offices in the state, which said list by the superintendent shall be posted immediately on receipt thereof, in a conspicuous place in his office, subject to the inspection of all persons desiring employment. Said superintendents shall perform such other duties in the collection of labor statistics as said commissioner shall determine. Any superintendent or clerk, as herein provided, who directly or indirectly charges or receives any compensation from any person whomsoever in securing employment or labor for any other person, or persons, as provided in this act, shall be deemed guilty of a misdemeanor, and be fined in any sum not exceeding fifty dollars and imprisoned in the county jail or workhouse not exceeding thirty days.

Said superintendent of each of such offices shall receive a salary of fifteen hundred dollars per annum, and said clerk shall receive a salary of

seven hundred and twenty dollars per annum, payable monthly. Said salaries shall be paid upon warrant of the auditor of state on the treasurer of state from the state funds through the bureau of labor statistics.

Sec. 308*a*. The tenure of office for all superintendents of free public employment offices shall be two years from the date of appointment, but the commissioner of labor statistics shall have the power, by and with the consent of the governor, of removing any of such superintendents for good and sufficient cause. The clerk allowed in any free public employment office shall be appointed by the superintendent of the respective office, when approved by said commissioner, and shall serve during the pleasure of the superintendent; provided, however, that all superintendents and clerks now in office shall remain in office until the expiration of their present terms, unless sooner removed by the governor and commissioner for good cause shown, which power is hereby given the governor and said commissioner, and in case of such a removal, and at the end of the present terms of superintendents or clerks, their successors shall be appointed as herein provided.

SECTION 2. That said section 308 and 308*a*, of the Revised Statutes of Ohio be and the same are hereby repealed.

HOLLIS C. JOHNSTON,
Speaker pro tem. of the House of Representatives.

W. G. HARDING,
President of the Senate.

Passed April 14, 1904.
Approved April 19, 1904.

MYRON T. HERRICK.
Governor.

EXAMINATION OF STATIONARY ENGINEERS.

97 O. L., 28.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That sections 6, 7, 8 and 9 of an act entitled, "An act for the better protection of life and property against injury or damage, resulting from the operation of steam engines and boilers by incompetent engineers and others, and to repeal an act therein named," passed March 1, 1900 (94 O. L., 33), as amended March 13, 1902 (95 O. L., 48) and April 30, 1902 (95 O. L., 333), be amended so as to read as follows:

(4364-89*q*) Sec. 6. Any person who desires to act as a steam engineer shall make application to the district examiner of steam engineers

for a license so to act, upon a blank furnished by the examiner, and shall successfully pass an examination upon the following subjects; the construction and operation of steam boilers, steam engines, and steam pumps, and also hydrolics, under such rules and regulations as may be adopted by the chief examiner, which rules and regulations, and standard of examination, shall be uniform throughout the state. If, upon such examination, the applicant is found proficient in said subjects a license shall be granted him to have charge of and operate stationary steam boilers and engines of the horse power named in this act. Such license shall continue in force for one year from the date the same is issued, provided, however, the district examiner may, upon written charges, after notice and hearing, revoke the license of any person guilty of fraud in passing the examination, or who has become insane or who is addicted to the liquor or drug habit to such a degree as to render him unfit to discharge the duties of steam engineer.

(4364-89*r*) Sec. 7. Any person to whom a license is issued under the provisions of this act shall upon application at the expiration of one year from the date thereof be entitled to a renewal thereof for one year, unless the district examiner of his district for the cause or causes set out in section 6 of this act, upon notice and hearing, should refuse such renewal.

(4364-89*s*) Sec. 8. The fee for examination of applicants for license shall be two dollars ($2), to be paid at the time of application for examination, and two dollars, ($2) for each renewal of license. All fees collected and received by the district examiners from the issue of licenses and the renewal of the same, shall be, on or before the 5th day of each month, remitted to the chief examiner at Columbus, together with a monthly report of the business of their offices. Said chief examiner shall pay into the treasury, to the credit of the general revenue fund, all moneys and fees by him received from the district examiners, and, on or before the 10th day of each month, said chief examiner shall file a monthly report with the governor, of the business of his office and the amount of money received by him and paid into the state treasury.

(4364-89*t*) Sec. 9. Any person dissatisfied with the action of any district examiner in refusing or revoking a license, or a renewal thereof, may appeal to the chief examiner, who shall investigate the action of said district examiner; if, upon such investigation, said chief examiner finds that the district examiner was justified, for the cause or causes set out in section 6 of this act, in refusing or revoking such license, or renewal thereof, he shall sustain the district examiner in his action; but should said chief examiner find that the district examiner was not justified in refusing or revoking such license, or renewal thereof, he shall order said district examiner to issue a license to the person making the appeal.

Section 2. That said sections 6, 7, 8 and 9 of an act entitled, "An act for the better protection of life and property against injury or damage,

resulting from the operation of steam engines and boilers by incompetent engineers and others, and to repeal an act therein named," passed March 1, 1900 (94 O. L., 33), as amended March 13, 1902 (95 O. L., 48) and April 30, 1902 (95 O. L., 333); and Sec. 4364-89*q*, be and the same are hereby repealed.

SECTION 3. This act shall take effect and be in force from and after its passage.

GEORGE T. THOMAS,
Speaker of the House of Representatives.
GEO. H. CHAMBERLAIN.
President pro tem. of the Senate.

Passed March 3, 1904.
Approved March 4, 1904.

MYRON T. HERRICK,
Governor.

CARE FOR INJURED PERSONS AT MINES.

97 O. L., 63.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. It shall be the duty of operators or superintendents to keep at the mouth of drift, shaft or slope, where more than ten miners are employed, or at such other place about the mine as shall be designated by the state or district mine inspector, a stretcher properly constructed, and a woolen blanket and a waterproof blanket in good condition, for use in carrying away any person who may be injured at the mine.

Provided, That where more than four hundred persons are employed, two stretchers and two woolen blankets and two waterproof blankets shall be kept. And in mines generating fire damp a sufficient quantity of linseed or olive oil, bandages and linen shall be kept in store at the mine for use in emergency, and bandages shall be kept at all mines.

GEORGE T. THOMAS,
Speaker of the House of Representatives.

W. G. HARDING,
President of the Senate.

Passed March 31, 1904.
Approved April 1, 1904.

MYRON T. HERRICK,
Governor.

EMPLOYMENT OF FLAGMEN AND HOSTLERS ON RAILROADS.

97 O. L., 72.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That no person, firm or corporation, owning, operating or controlling any railroad, running through or within the state of Ohio, shall employ as flagman or hostler, or assistant hostler, within said state, any person who cannot read and write and speak the English language; but this act shall not apply to flagmen at street or highway crossings.

SECTION 2. Any person, firm or corporation who shall violate the provisions of the foregoing section, shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be fined in any sum not less than five hundred dollars ($500), or more than one thousand dollars ($1,000).

GEORGE T. THOMAS,
Speaker of the House of Representatives.
W. G. HARDING,
President of the Senate.

Passed April 5, 1904.
Approved April 7, 1904.

MYRON T. HERRICK,
Governor.

REGULATE MANUFACTURE OF HIGH EXPLOSIVES.

97 O. L., 302.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. All persons, partnerships and corporations within the state of Ohio, now engaged in manufacturing, selling, handling or storing powder, dynamite, nitroglycerine, fuses or other explosives and their compounds, shall on or before the 15th day of September, 1904, file with the chief inspector of workshops and factories, upon blanks which shall be furnished by such inspector upon application, a statement of the location of each factory, storehouse, or magazine, owned or controlled by such person, corporation or partnership, together with the character of the explosive manufactured, the quantity stored or kept on hand, the number of persons employed there, and the distance such factory, storehouse, or magazine is located from the nearest factory, workshop, mercantile or other

establishment, occupied dwelling, church, schoolhouse or building in which people are accustomed to assemble, railroad or public highway. Each report filed shall be examined by the chief inspector of workshops and factories, and submitted to the inspector of high explosives who shall make a personal examination of each factory, storehouse and magazine, and if upon such examination, such factory, storehouse or magazine in his judgment shall be found to be located at a safe distance from [any] factory, workshop, mercantile or other establishment, occupied dwelling, church, schoolhouse or building in which people are accustomed to assemble, railroad or public highway, and to be so planned and managed as to insure as great safety as is consistent with the nature of the business, then the chief inspector of workshops and factories shall approve the plans and location of such factory, storehouse or magazine.

SECTION 2. Any person, corporation or partnership, that shall hereafter engage in the business of manufacturing, storing or handling any of the high explosives mentioned in section one of this act shall, before engaging in such business, report to the chief inspector of workshops and factories, upon blanks to be furnished by such chief inspector, upon application, the kind and amount of explosives, such person, partnership or corporation proposes to manufacture or handle, together with a drawing showing the plans of all factories, storehouses and magazines, with an accurate statement of the distance such proposed factory, storehouse or magazine, shall be located from the nearest factory, workshop, mercantile or other establishment, occupied dwelling, church, schoolhouse, or building in which people are accustomed to assemble, railroad or public highway, which report, together with the plans, shall be submitted to the inspector of high explosives for personal examination, correction and approval. And it shall be unlawful for any person, partnership or corporation to engage in such business until such plans are approved by the chief inspector of workshops and factories, and it shall be unlawful for any person, partnership or corporation now engaged in the business of manufacturing, handling or storing any of the high explosives mentioned in section one of this act to continue such business after September 15, 1904, without the approval of the chief inspector of workshops and factories as provided in section one of this act. Any person, partnership or corporation who shall engage in the business of manufacturing, storing or handling any of the high explosives mentioned in section one of this act on or at any time after September 15, 1904, without first having obtained the approval of the chief inspector of workshops and factories as herein provided, shall be guilty of a misdemeanor, and upon conviction shall be fined not less than $100, nor more than $1,000. Nothing in this act shall be held to apply to persons, partnerships or corporations engaged in the wholesale or retail drug business, or to retail dealers in gunpowder, fuses or fireworks, who store not to exceed twenty-five (25) pounds at any one place at one time, and it shall be the duty of the chief inspector of work-

shops and factories and the inspector of high explosives to enforce the provisions of this act.

HOLLIS C. JOHNSTON,
Speaker pro tem. of the House of Representatives.

W. G. HARDING,
President of the Senate.

Passed April 22, 1904.
Approved April 23, 1904.

MYRON T. HERRICK,
Governor.

EMPLOYMENT OF MINORS.

97 O. L., 321.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That sections 1, 2 and 3 of an act entitled "An act to regulate the employment of minors and to repeal sections 6986, R. S., passed April 25, 1891; 6986 *aa* R. S., passed March 21, 1887; 6986*bb* R. S., passed April 27, 1885; 6986*c* R. S., passed April 27, 1885," passed April 19, 1898, as amended May 12, 1902, be amended to read as follows:

Sec. 1. No child under the age of fourteen years shall be employed in any factory, workshop, mercantile or other establishment, directly or indirectly at any time, nor be employed as messenger or driver therefor; and no child under [said] the age shall be employed in any other manner, whether it be for compensation or otherwise, when the public schools in which district such child resides are in session.

Every person, company or corporation, or agent having charge of or the management of such factory, workshop, mercantile or other establishment employing any child over fourteen years and under sixteen years of age, shall exact the age and schooling certificate prescribed in section 4022-2 as a condition of employment, and shall keep the same on file, and shall upon the request of the chief or district inspector of workshops and factories produce said certificates for inspection; but no person authorized as aforesaid shall approve such certificates for any child under sixteen years of age then in or about to enter his own employment or the employment of firm, company or corporation of which he is a member, officer or employe. An age and schooling certificate shall not be approved unless satisfactory evidence is furnished by the last school census, the certificate of birth or baptism, or in some such manner, that said child is of the age required as aforesaid; failure to produce to an inspector of workshops and factories an age and schooling certificate, as aforesaid required, shall be prima facie evidence of the illegal employment of any person whose age and schooling certificate is not produced.

In case of doubt of the physical fitness of such minor, the inspector shall require a certificate signed by a medical officer of the board of health, certifying that such child is in sound health and physically able to perform the work he is required to do.

Sec. 2. It shall be the duty of every person employing minors under the age of eighteen years to keep a register in which shall be recorded the name, birthplace, age and place of residence of every minor employed by him under the age of eighteen years. No boy under sixteen years of age and no girl under eighteen years of age, shall be employed at any work at night time later than seven o'clock in the evening nor earlier than six o'clock in the morning, and no minor under eighteen years of age shall be employed in any of the places named in section 6986-7 of the Revised Statutes of Ohio for a longer period than ten hours in one day, nor more than fifty-five hours in one week; and every such minor under eighteen years of age shall be entitled to no less than thirty minutes for meal time at noon, but such meal time shall not be included as part of the work hours of the day; and every employe shall post in a conspicuous place in every room where such minors are employed a printed notice stating the maximum number of work hours required in one week, and in each day of the week from such minors; such printed notice to be furnished by the chief inspector of workshops and factories, and approved by the attorney-general.

Sec. 3. Any person, firm or corporation who shall employ any minor contrary to the provisions of this act, or who shall violate any of the provisions thereof, shall, upon conviction, be fined in any sum not less than ten dollars nor more than fifty dollars, and upon failure or refusal of any such person, firm or corporation to pay said fine or costs according to the order of the court, then such person, firm or corporation shall be imprisoned in the county jail until such fine is paid.

Section 4. That original sections 1, 2 and 3, as amended are hereby repealed.

George T. Thomas,
Speaker of the House of Representatives.

W. G. Harding,
President of the Senate.

Passed April 23, 1904.
Approved April 25, 1904.

Myron T. Herrick,
Governor.

PRIVATE EMPLOYMENT AGENCIES.

97 O. L., 485.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. [That] no person, firm or corporation in this state shall open, operate or maintain a private employment agency for hire, or where a fee is charged to either applicant for employment or for help without first obtaining a license for the same from the state commissioner of labor statistics. Such license fee in cities shall not be less than fifty ($50.00) dollars nor more than one hundred ($100.00) dollars per annum. In villages not less than ten ($10.00) dollars nor more than twenty-five ($25.00) dollars per annum. Every license shall contain the designation of the city or village, street and number of the building in which the licensed party conducts said employment agency. The license, together with a copy of this act, shall be posted in a conspicuous place in each and every employment agency. No agency shall print, publish or paint [on] any sign, window, or insert in any newspaper or publication, a name similar to that of the Ohio free public employment offices. The commissioner of labor shall require with each applicant for a license a bond in the penal sum of five hundred ($500) dollars with one or more sureties, to be approved by the said commissioner, and conditioned that the obligor will not violate any of the duties, terms, conditions, provisions or requirements of this act. The said commissioner is authorized to cause an action or actions to be brought on said bond in the name of the people of the state of Ohio for any violation of [any of] its conditions, and he may also revoke upon a full hearing, any license, whatever [whenever] in his judgment the party licensed shall have violated any of the provisions of this act. It shall be the duty of every licensed agency to keep a register, in which shall be entered the name and addrss of every applicant. Such licensed agency shall also enter into a register the name and address of every person who shall make application for help or servants; and the name or nature of the employment for which such help shall be wanted. Such register shall at all reasonable hours, be open to the inspection and examination of the commissioner of labor or his agents. Where a registration fee is charged for receiving or filing applications for employment or help, said fee shall in no case exceed the sum of two ($2) dollars for which a receipt shall be given, in which shall be stated the name of the applicant, the amount of the fee, the date, the name or character of the work or situation to be procured. In case the said applicant shall not obtain a situation or employment through such licensed agency within one month after registration as aforesaid, then said licensed agency shall forthwith repay and return to such applicant, upon demand being made therefor, the full amount of the fee paid or delivered by said applicant to said

licensed agency, provided that such demand be made within thirty (30) days after the expiration of the period aforesaid. No agency shall send or cause to be sent any female help or servant to any place of bad repute, house of ill fame or assignation house, or any house or place of amusement kept for immoral purposes. No such licensed agency shall publish or cause to be published any false or fraudulent notice or advertisement, or to give any false information, or to make any false promise concerning or relating to work or employment to any one who shall register for employment, and no licensed agency shall make any false entries in the register to be kept as herein provided. No person, firm or corporation shall conduct the business of any employment office in or in connection with, any place where intoxicating liquors are sold.

SECTION 2. It shall be the duty of the commissioner of labor to enforce this act, when informed of any violation, it shall be his duty to institute criminal proceedings for the enforcement of its penalties before any court of competent jurisdiction. Any person convicted for the violation of the provisions of this act shall be guilty of a misdemeanor and shall be fined not less than fifty ($50) dollars nor more than one hundred ($100) dollars for each offense, or by imprisonment in the county jail for a period not exceeding six (6) months, or both, at the discretion of the court.

SECTION 3. A private employment agency is defined and interpreted to mean any person, firm or corporation furnishing employment or help, or who shall display any employment sign or bulletin, or through the medium of any card, circular or pamphlet, offering employment or help. shall be deemed an employment agency, and subject to the provisions of this act, whether a fee or commission is charged or not: Provided that charitable organizations are not included.

SECTION 4. The term "applicant for employment" as used in this act, shall be construed to mean any person seeking work of any lawful character, and "applicant for help" shall mean any person or persons seeking help in any legitimate enterprise; and nothing in this act shall be construed to limit the meaning of the term "work" to manual labor, but it shall include professional service and all other legitimate service.

SECTION 5. All money or moneys received from fees and fines as herein provided shall be held by [the] said commissioner of labor, and the same shall constitute a fund for the purpose of enforcing the provisions of this act; and the said commissioner shall at the end of each fiscal year make an account of said fund and pay into the state treasury whatever balance shall remain after paying the necessary disbursements for the purpose of enforcing the provisions of this act.

SECTION 6. All acts and parts of acts in conflict herewith are hereby repealed and this act shall take effect and be in force within sixty (60) days from and after its passage.

GEORGE T. THOMAS,
Speaker of the House of Representatives.

GEO. H. CHAMBERLAIN.
President pro tem. of the Senate.

Passed April 25, 1904.
Approved April 26, 1904.

MYRON T. HERRICK,
Governor.

INSPECTION OF WORKSHOPS AND FACTORIES.

97 O. L., 530.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That supplementary section 2573*a*, including section two thereof, be amended to read as follows:

Sec. 2573*a*. For the purpose of providing an adequate force for the efficient and thorough inspection of workshops and factories throughout the state of Ohio, the governor shall appoint, by and with the advice and consent of the senate, one chief inspector, who, with the approval of the governor, shall appoint thirteen district inspectors.

The chief inspector and district inspectors shall be competent and practical mechanics.

The chief inspector shall hold his office for a term of four years, and shall have his office in the state house, where shall be kept the records of his office; and the district inspectors shall hold their offices for a term of three years from the first day of May after their respective appointments, and until their successors are appointed and qualified; provided, however, that the chief inspector and the district inspectors in office at the time of this act shall serve out their respective terms for which they have been appointed. In case of the resignation, removal or death of the chief inspector, or any district inspector, the vacancy shall be filled in the manner above provided for the original appointments for the unexpired term only of the position so made vacant.

Sec. 2. The chief inspector shall make such assignments of all the district inspectors as the good of the service may require, and shall issue such instructions, and make such rules and regulations for the government of the district inspectors not inconsistent with the powers and duties vested in them by law as shall secure uniformity of action and

proceedings throughout the different districts into which he shall divide the state.

The salary of the chief inspector shall be two thousand dollars ($2,000) per annum, and the district inspectors twelve hundred dollars ($1,200) each per annum, which salaries and all necessary traveling expenses incurred by said inspectors in the discharge of their official duties shall be paid out of the treasury of the state from any fund therein not otherwise appropriated on the warrant of the auditor, on the presentation to him of the proper vouchers.

SECTION 2. That supplementary section 2573*b* be amended to read as follows:

Sec. 2573*b*. The said inspector shall have entry into all shops and factories, including all public institutions of the state which have shops and factories, or either, at any reasonable time, and it shall be unlawful for the proprietors, agents or servants in such factories or shops to prevent, at reasonable hours, his entry into such shops or factories for the purpose of such inspection. And proof of the failure of the proprietor of any shop or factory to make the alteration or furnish the safeguards ordered by the inspector, within the time required by law, shall be deemed prima facie evidence of negligence and shall render such proprietor liable for any injury sustained by reason of such failure to make such alterations or furnish such safeguards.

SECTION 3. That supplementary section 2573*c*, be amended to read as follows:

Sec. 2573*c*. That said inspectors, if they find upon such inspection that the heating, lighting, ventilation or sanitary arrangement of any shop or factory is such as to be injurious to the health of persons employed or residing therein, or that the means of egress in case of fire or other disaster is not sufficient, or that efficient means for extinguishing fire is not provided on each floor, or that the belting, shafting, gearing, elevators, drums and machinery in such shops and factories are located so as to be dangerous to employes, and not sufficiently guarded, or that the vats, pans or structures filled with molten metal or hot liquid are not surrounded with proper safeguards for preventing accident or injury to those employed at or near them, shall notify the owners, proprietors or agents of such shops or factories by mailing such notifications to the last known address of such owners, proprietors or agents to make the alterations or additions necessary without delay; provided, however, that for such of the alterations and additions ordered as may be of such nature as to make it impossible to comply with immediately, the chief inspector may grant from fifteen (15) to thirty (30) days' time from date of first notification to such owners, proprietors or agents, in which to make such alterations and additions, and if such alterations are not made within the limit of time granted, such owners, proprietors or agents so notified, shall be deemed guilty of a misdemeanor, and upon convic-

tion thereof shall be fined not more than five hundred ($500) dollars, and not less than fifty ($50) dollars, and ten (10) dollars additional for each day after such conviction, until such alterations and additions necessary have been made, which fine shall be paid into the treasury of the county in which conviction is had. The district inspectors shall make a record of all examinations of shops and factories in their respective districts, showing the date when made, the condition in which shops and factories are found, and what changes were ordered, the number of shops and factories in their respective districts, the number of men, women and children employed in each shop or factory, together with all such other facts and information of public interest concerning the condition of such shops and factories as they may think useful and proper, which record shall be filed in the office of the chief inspector every week, and so much thereof as may be of public interest to be included in his annual report.

SECTION 4. That supplementary section 2573*a* including section 2 thereof, as passed April 29, 1885, O. L., Vol. 82, p. 179; supplementary section 2573*a2*, as passed March 23, 1892, O. L., Vol. 89, p. 133; supplementary section 2573*b*, as passed April 13, 1898, O. L., Vol. 93, p. 113; and supplementary section 2573*c*, as passed March 3, 1898, O. L., Vol. 93, pp. 30, 31, be and the same are hereby repealed.

GEORGE T. THOMAS,
Speaker of the House of Representatives.
W. G. HARDING,
President of the Senate.

Passed April 20, 1904.

This bill was presented to the Governor April 20, 1904, and was not signed nor returned to the House wherein it originated within ten days after being so presented, exclusive of Sundays and the day said bill was presented, and was filed in the office of the Secretary of State May 3, 1904.

RISKS TO BE DEEMED AS ASSUMED BY EMPLOYES.

97 O. L., 547.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. In any action brought by an employe, or his legal representative, against his employer, to recover for personal injuries, when it shall appear that the injury was caused in whole or in part by the negligent omission of such employer to guard or protect his machinery or appliances, or the premises or place where said employe was employed,

in the manner required by any penal statute of the state or United States in force at the date of the passage of this act, the fact that such employe continued in said employment with knowledge of such omission, shall not operate as a defense; and in such action, if the jury find for the plaintiff, it may award such damages not exceeding, for injuries resulting in death, the sum of five thousand dollars, and for injuries not so resulting, the sum of three thousand dollars, as it may find proportioned to the pecuniary damages resulting from said injuries; but nothing herein shall affect the provisions of section 6135 of the Revised Statutes.

Nothing herein contained shall be construed as affecting the defense of contributory negligence, nor the admissibility of evidence competent to support such defense.

HOLLIS C. JOHNSTON,
Speaker pro tem. of the House of Representatives.
W. G. HARDING,
President of the Senate.

Passed April 23, 1904.
Approved May 3, 1904.

MYRON T. HERRICK,
Governor.

RECENT DECISIONS OF COURTS AFFECTING LABOR.

THE ST. MARYS MACHINE CO. v. THE NATIONAL SUPPLY CO., ET AL.

68 O. S., 535.

(Decided June 16, 1903.)

Lien of Labor—Section 6355, Revised Statutes—Preferred claims.

Error to the Circuit Court of Allen county.

The facts in this case involve the rights of several mortgagees under chattel mortgages from L. E. Bloomfield, a contractor, engaged in drilling oil wells, in which business he owned and used drilling tools, machinery, horses, wagons and harness, but was not the owner of any real estate. He gave chattel mortgages to different parties on this property, some of them covering the same property, and all of which were properly executed and filed and kept alive so as to be valid liens upon the property covered by the several mortgages.

On February 8, 1901, the National Supply Co., one of said mortgagees, began its action in the court of common pleas of Allen county against said L. E. Bloomfield, making the several chattel mortgagees defendants, and in that action the court appointed receivers who qualified, and under the order of the court took possession of all of the property of Mr. Bloomfield, including the property covered by said chattel mortgages, and converted all the property into money, and brought the same into court for distribution. Said chattel mortgages were all past due when said action was commenced.

By consent of all parties the taxes and expenses, including the compensation of the receivers, were paid out of the fund realized upon the sale of the personal property.

Many claims for labor performed for Mr. Bloomfield in his said business within three months before said receivers were appointed, were filed, and allowed, and thereupon a contest arose upon distribution between said mortgagees and said labor claims. The cause came to the circuit court on appeal, and was there heard and determined.

There was no contest as to the amount due to each mortgagee, or to each laborer, the sole question being as to priorities, the fund not being sufficient to pay all.

The circuit court held that the amount due on the labor claims should be first paid in full, and should be deducted pro rata from the fund arising from the sale of the property covered by the several mortgages without reference to the question of priority of such mortgages as among themselves, and that the remainder thus left to each mortgagee under his mortgage should be paid to him. In the case of the St. Marys Machine Company this holding resulted as follows: Amount found due this company was $1,315.57. Net amount realized on sale of property covered by its chattel mortgage $955.19. Amount deducted from that sum and paid over to labor claims $435.75, leaving a balance of $519.44 to be paid over to the company. The other mortgagees were treated in the same manner, the only difference being as to amounts. The mortgagees saved proper exceptions, and brought the case here, seeking to reverse the judgment of the circuit court, and asking for judgment in their upon the findings of fact made by that court.

BURKET, C. J. The solution of the controversy between the parties, depends upon a proper construction of section 3206*a*, Revised Statutes. That section is as follows:

"Laborers and employes of any persons, association of persons or corporation, whether such employment be at agriculture, mining, manufacture or other manual labor, shall have a lien upon the real property of their employers for their wages, which is hereby declared to be superior to the following liens taken or attaching during the existence of such unpaid labor claims, to-wit: Liens of attachment, liens of mortgages given or taken at a time of actual insolvency of the debtor, or with a view of preferring creditors or to secure a pre-existing debt, and superior to all claims for homestead or other exemptions, except under section fifty-four hundred and thirty; and in all cases where property of an employer is placed in the hands of an assignee, receiver or trustee, claims due for labor performed within the period of three months prior to the time such assignee, receiver or trustee is appointed, shall first be paid out of the trust fund, in preference to all other claims against such employer, except claims for taxes and the costs of administering the trust. The lien herein provided shall be deemed to be waived by the laborer or employe, as to any portion of such labor, unless within thirty days from the expiration of three months from the performance of such portion he shall file with the recorder of the county where the labor was performed, an itemized statement verified by affidavit of the amount, kind and value of the labor performed within said period, with all credits and off-sets, and the amount then due him therefor, which verified statement when so filed, shall be recorded in a book kept for the purpose, and shall become and operate as a lien upon the real property of the employer without any specific description thereof, for the period of one year from and after the filing thereof, and if an action is brought to enforce the lien within that time, it shall continue in force until finally adjudicated; and the proceed-

ings to enforce such lien shall be the same as in other cases of lien, against the owner of the property and all other persons interested; provided, that if several persons have or obtain liens under the provisions of this section, against the property of the same employer, they shall have no priority among themselves, but shall be paid pro rata, nor shall they have priority over those obtaining liens under sections thirty-one hundred and eighty-four, thirty-one hundred and eighty-five, thirty-one hundred and eighty-six, thirty-one hundred and eighty-seven of this chapter, but the persons obtaining liens under said sections thirty-one hundred and eighty-four, thirty-one hundred and eighty-five, thirty-one hundred and eighty-six, and thirty-one hundred and eighty-seven shall have priority as provided therein."

As there was no real estate in this case, the only part of the section here applicable is the following: "And in all cases where property of an employer is placed in the hands of an assignee, receiver or trustee, claims due for labor performed within the period of three months prior to the time such assignee, receiver or trustee is appointed, shall be first paid out of the trust fund, in preference to all other claims against such employer, except claims for taxes and the cost of administering the trust."

As the amount found due the St. Mary's Machine Co. was greater than the value of the mortgaged property, as shown by the amount for which it sold, the property covered by the mortgage was the property of the Machine Company, and not the property of Mr. Bloomfield. All he had was a right of redemption, by payment of the debt. *Sayler* v. *Simpson,* 45 Ohio St., 141, 150. This is a property right, but not property itself, within the purview of this section. It was therefor not the property of the employer, Mr. Bloomfield, but the property of the Machine Company, that came into the hands of the receivers in this case, and according to the holding of this court in *Hughes* v. *Bank,* 61 Ohio St., 386, it could not be subjected to the payment of labor claims under this section.

Again, said section provides that such labor claims "shall be first paid out of the trust fund, in preference to all other claims," etc. "Trust funds," under this section, must be the same, whether the estate is in the hands of an assignee, receiver or trustee, and in all such cases the fund for distribution among creditors generally, is known as a trust fund, because the person in charge of the estate, holds the fund in trust for all who can show themselves to be beneficiaries under the general law of the land, and not entitled as owners in whole or part, by virtue of a special property or particular lien. As to such the receiver holds the property or its proceeds not in the sense of a trust fund, but under a special obligation to restore it to its owner.

The correction of the foregoing holding is strengthened by a reference to section 6355, Revised Statutes, which is in pari materia with said section 3206*a*, and both sections must be read and construed together. Section 6355 is as follows:

"All taxes of every description assessed against the assignor upon any personal property held by him before his assignment, shall be paid by the assignee or trustee out of the proceeds of the property assigned in preference to any other claims against the assignor, and every person who shall have performed any labor as an operative in the service of the assignor, shall be entitled to receive out of the trust funds, before the payment of other creditors the full amount of the wages due to such person for such labor performed within twelve months preceding the assignment not exceeding three hundred dollars. But the foregoing provisions shall not predjudice or in any way affect securities given or liens obtained in good faith, for value, but judgments by confession on warrants of attorney rendered within two months prior to such assignment, or securities given within such time to create a preference among creditors or to secure a pre-existing debt other than upon real estate for the purchase money thereof, shall be of no force or validity as against such claims for labor to the extent above provided, in case of assignment."

This section provides for the distribution of the assets of the estate of an insolvent in cases of assignments for the benefit of creditors, and provides for the payment of labor claims of operatives in the service of the assignor, for labor performed within twelve months, not exceeding three hundred dollars, but such labor claims cannot prevail over securities given or liens obtained in good faith for value. From this it is clear that the fund out of which such labor claims can be paid in cases of assignees or trustees in insolvency, is the general fund remaining after the payment of all securities and liens obtained in good faith for value. This general fund corresponds to, and is the same as, the "trust fund" mentioned in said section 3206*a*, and each of said funds is what remains after the payment of the valid securities and liens against the property in the hands of the assignee or trustee; and to the extent of such securities and liens, construing both sections together, the property in the hands of the assignee or trustee is not regarded as the property of the employer, but as the property of the owner of the security or lien, and as being so connected with the property of the employer or assignor as to require the whole to be administered by the assignee or trustee, rendering to the owner of the securities and liens, the proceeds of their property, and distributing by order of the probate court the remainder among the general creditors, subject to the rights of labor claims. Under the one section a labor claim includes all labor within twelve months, not exceeding three hundred dollars, and in the other the period is only three months with no limitation as to amount. In this regard there seems to be some conflict, but in any particular case the laborer should be allowed to invoke the provision most favorable to himself.

Said section 6355 applies only to assignees and trustees, while the other section, applies to assignees, trustees and receivers; but when the

section is properly construed as to assignees and trustees, the same construction must be applied to receivers, because in said section 3206*a* all three stand upon exactly the same footing.

This section of the statute has been differently construed by the circuit court in several cases, and while the true construction may not be clear at a glance; after mature deliberation, and a full examination of the principles involved, the above construction seems to be clearly warranted, and when so construed the section is constitutional. With this construction of the section the other question, so ably argued by counsel, becomes unimportant, and are not here considered.

The judgment of the circuit court will be reversed, and cause remanded to that court with instructions to render a judgment of distribution, applying the net proceeds of the sale of the property covered by each chattel mortgage to the payment of the amount due upon such mortgage, preserving priorities where there are two or more chattel mortgages on the same property, and that the balance, if any, be applied upon the labor claims pro rata.

Judgment reversed, and judgment for plaintiff in error.

Spear, Davis, Shauck, Price and Crew, JJ., concur.

DAVIS v. TURNER.

69 O. S., 101.

(Decided October 27, 1903.)

Servant injured in coal mine—Question of notice of danger—Duty of master—Contributory negligence.

ERROR to the Circuit Court of Jackson county.

The issues between the parties in the trial court were joined upon the second amended petition, the answer of plaintiff in error, and the reply thereto.

The plaintiff below, claimed a right of recovery against the defendant, for damages resulting from a personal injury received in the coal mine of the defendant, on the twenty-seventh day of September, 1900. By the averments of the second amended petition it is disclosed that at the above date, the plaintiff below, was in the employ of the defendant as a driver, in said mine, at an agreed price per day; and that such employment had continued for about two weeks before the injury. The plaintiff's

duty was to haul coal in cars drawn by a mule, from the rooms of a portion of the miners who mined the coal, to a hoisting shaft. While passing through a main entry of the mine in the discharge of his duties as such driver, and without negligence on his part, he was injured by slate falling upon him from the roof of said entry, directly over the track placed therein along which he was at the time passing in the discharge of his duties.

The injuries alleged are four fractures of the jaw, and the loss of several teeth, which affected his ability to take food, and also his powers of speech, which injuries he says are permanent.

The entry wherein the plaintiff was injured is alleged to be about one-half mile in length, from eight to ten feet in width, and on an average, about four and one-half feet in height. It is further alleged, that above the track along which plaintiff was required to pass with the cars of coal, and at a point about fifty yards towards the hoisting shaft, there was loose and defective overhanging slate in the roof of the entry, which rendered the passage that way dangerous, by reason of its liability to fall, of which dangerous condition the plaintiff had no knowledge at any time, nor did he have equal opportunity or means with the defendant of knowing the same.

It is then alleged that the defendant himself, and by his agent in charge and control of the mine, well knew of the dangerous and unsafe condition of the entry where plaintiff was injured; or, if he did not actually know of the same, he could and would have known of it by the exercise of ordinary prudence and care before the plaintiff was injured, and in time to have prevented the injury by securely propping, posting, or securing the roof of the entry.

The negligence charged is that with knowledge or means of knowledge of the unsafe condition of the roof of the entry, defendant failed and neglected to securely prop, post, or remove the overhanging slate.

The damages laid consist in loss of time, incurring medical and dental bills, and general damages—in all, $10,175.35.

The foregoing is the substance of the second amended petition.

The answer admits that the defendant operated the coal mine at the time of the injury; that plaintiff was in his employ, and that his duties were about as alleged by him, and that he was injured about the time and in the entry as described, but it denies each and all the other allegations of the petition. It avers that the plaintiff was not without fault, "but contributed to whatever injury he received by his own careless and negligent driving of the mule and management of the car, whereby one or the other was driven or thrown against certain props and posts which were then and there used to support the roof of said entry, and displaced them, and knocked them down, and thereby permitted certain caps and portions of the roof of said entry to fall upon plaintiff to his injury * * * * ."

The reply denies all the allegations of fault and contributory negligence made in the answer.

On the issues joined the case went to trial to a jury. On request of the defendant, the court submitted to the jury for answer, certain interrogatories, to be answered and returned as answered, with the general verdict. The interrogatories and answers are:

"The jury in the above cause are required to make answer to the following interrogatories, and return the same as their special verdict:

"1. About how often did plaintiff, while at work for defendant, pass along the entry at the point where he was injured? Answer. About three hundred and sixty times.

"2. Did plaintiff, while working in said entry, make any endeavor to ascertain the condition of the entry through which he passed? Answer. No.

"3. Did plaintiff, while at work in said entry, take any notice of or pay any attention to the roof of the same, or observe that the same was propped, and cross-timbers used in it for the protection of the roof? Answer. No.

"4. Was the defect in the roof of the entry at the point where plaintiff was injured obvious, and noticeable to a person going in or out of such entry? Answer. Yes.

"5. Was it under the evidence in this cause the duty of plaintiff, while driving for defendant, to notice, examine or pay any attention to the roof of the entry in which he was at work? Answer. No.

JOHN C. STEELE, *Foreman.*"

The jury returned a general verdict for the plaintiff in the sum of $1.481. The defendant filed a motion for a new trial, containing among other grounds, that the court erred in refusing to give the jury certain special instructions asked by the defendant; that the court erred in the general charge; and "that the general verdict is inconsistent with the special verdict." At the same time the defendant moved for judgment in his favor upon the special findings of the jury, notwithstanding the general verdict. The court overruled both motions and the defendant excepted.

Judgment was rendered on the general verdict, and defendant prosecuted error in the circuit court, assigning among other errors committed by the trial court, that it "erred in overruling and not sustaining the motion of defendant below for a judgment in his favor upon the special verdict, notwithstanding the general verdict for plaintiff."

The circuit court found and decided "the court of common pleas erred in refusing to give to the jury special instructions numbered four and seven, as requested by plaintiff in error, defendant below, and found no other error apparent on said record.

For the errors found, the judgment of the court of common pleas

was reversed and the cause remanded for such further proceedings as may be authorized by law.

The plaintiff in error excepted to the decision of the circuit court for the reason, that it did not find and adjudge "that the court of common pleas erred in overruling the motion of plaintiff in error, defendant below, for a judgment in his favor upon the answers made by the jury to the interrogatories submitted to be answered by them, and in not rendering judgment in favor of plaintiff in error upon said interrogatories as the court below should have done."

Without waiting for a new trial of the case in the court of common pleas, the plaintiff in error prosecutes error in this court to reverse the circuit court for not giving him judgment on the answers of the jury to said interrogatories.

PRICE, J. The record in this case presents two questions which are worthy of consideration, the first of which is a question of practice.

The plaintiff in error was defeated in the trial court, his motion for new trial overruled and judgment rendered on the general verdict returned by the jury. Before judgment and contemporaneous with the motion for new trial, he asked judgment upon the answers to certain interrogatories submitted to the jury by the court. This was refused, and the case was taken on error to the circuit court, where the judgment of the trial court was reversed, on the sole ground, that there was error in refusing to give certain instructions requested by the defendant, and the cause was remanded for further proceedings.

The circuit court refused to render judgment for plaintiff in error on the special findings of the jury, and overruled his motion for that purpose. There has been no retrial in the court of common pleas, and we are asked to review and reverse the decision of the circuit court, overruling the motion of plaintiff in error for judgment on the special findings of the jury.

1. Has he a right to prosecute such proceedings in this court? This is our first question for consideration. The defendant in error says there is no basis for this proceeding, and no judgment to reverse, because the circuit court reversed the judgment of the common pleas and remanded the cause to that court for further proceedings; that as a result of the reversal a new trial was granted and the special findings were vacated with the general verdict. This claim was made heretofore in this court by motion to dismiss the petition in error, and it is still urged and relied upon.

The particular questions of fact appear to have been submitted by the trial court without objection. At all events, they were submitted and answered by the jury and became a legitimate part of the record. As such the judgment of the trial court was invoked upon them by the motion of defendant below, and that court exercised its judgment thereon in overruling the motion, to which exception was entered. In the circuit

court he was not content with a reversal of the judgment on the grounds stated, but relied and still relies on the special findings as being inconsistent with the general verdict. And if the special findings are inconsistent with the general verdict, and are sufficient in their legal effect to defeat a recovery, there can be no doubt that he was entitled to judgment in the trial court. If so, the circuit court, when it reversed the judgment of the trial court, should have rendered the proper judgment instead of remanding the case for a new trial. It seems entirely clear, that if the special findings are inconsistent with the general verdict and entitle the defendant below to a judgment, he would be justified in standing upon them in the trial court, and also, in the circuit court, regardless of the privilege of a new trial, rather than be compelled to abandon what he had fairly obtained and incur the labor and expense of a retrial of the case. Otherwise the submission of special questions to the jury is but an idle and fruitless ceremony.

But in this case the circuit court agreed with the trial court and refused the judgment demanded. Is there no direct remedy in this court to review the decision of that court, and correct its error, if any has been committed in overruling the motion for judgment? If not the party has lost a valuable right which the law has furnished him for a very clearly expressed purpose; and it is lost, it is said, because the circuit court set aside the general verdict and granted a new trial. However, it did more. It decided that plaintiff in error was not entitled to judgment on the special findings, which he claimed are inconsistent with and should control the general verdict.

We discover no good reason why he does not have a direct remedy in this court to review the circuit court on that branch of the case. This view is founded upon the unequivocal meaning of sections 5201 and 5202, Revised Statutes.

In accordance with the former section, the court instructed the jury to find specially upon the particular questions of fact contained in the record. Whether all were proper questions, we need not now determine. They were submitted and answered. By the latter section it is provided that: "When the special finding of facts is inconsistent with the general verdict, the former shall control the latter, and the court may give judgment accordingly." If the special findings are such as should control the general verdict, it becomes the duty of the trial court to enter the judgment with such "control" would clearly indicate; and in this we think there is no room for the exercise of mere discretion. Moreover, we regard the decision of the circuit court, overruling the motion for judgment on the special findings as a judgment determining the rights of the parties in that behalf, and a proper predicate for proceedings in error. See section 6710, Revised Statutes.

As authorities against the views here expressed, counsel for defendant in error cites and relies upon the following cases: *Fitzpatrick et al* v.

Papa, 89 Ind., 17; *Hollenbeck* v. *The City of Marshalltown,* 62 Ia., 21; *The State ex rel. Downard* v. *Templin,* 122 Ind., 235; *McCrum* v. *Corby,* 15 Kas., 112; *Insurance Co.* v. *Shillito,* 15 Ohio St., 559; *Andrews* v. *Youngstown,* 35 Ohio St., 218. We have carefully examined each of these cases, and are unable to find a rule in either that is contrary to our position.

In *Fitzpatrick et al* v. *Papa,* supra, it appears that appellants urged their right to judgment in the appellate court, on answers to interrogatories at the first trial of the cause in the lower court. No ruling seems to have been asked or made at that trial with reference to such interrogatories, but the court set aside the general verdict and granted a new trial. The parties had their new trial. From the judgment rendered on the second trial, appeal was taken, and appellant asked for judgment on the findings made on the first trial. It was easy to conclude and hold, that having submitted to a second trial, the party waived his rights on special findings made at the first trial. It was upon that state of the record the appellate court made its holding.

Hollenbeck v. *The City of Marshalltown,* supra, was an action to recover for injuries sustained by reason of a defective sidewalk. The first trial resulted in a verdict for the plaintiff, which was set aside and a new trial granted. The second trial resulted in a verdict for the plaintiff. On this, the second trial, the jury in answer to a special interrogatory, found that the defect in the sidewalk was not so open and notorious as to render the city liable. It fairly appears that the city asked judgment on this special finding and also for a new trial. The trial court refused judgment on the special finding, but granted a new trial. A third trial was had and the plaintiff again recovered. From the judgment rendered on the last verdict appeal was taken by the city, and it was there insisted that the city was entitled to judgment on the special finding made at the second trial. This the court denied, as well it could, because of submitting to a retrial after the finding had been made, the city waived its rights thereunder.

The State ex rel. Downard v. *Templin,* 122 Ind., supra, contains no holding pertinent to the present inquiry.

The same may be said about *McCrum* v. *Corby,* 75 Kan., supra. There, when the motion for new trial was granted, nothing was said about the special findings, and no one sought any order of court respecting them. The appellate court say in that case: "Counsel claim that as no motion was made to set them aside, they still stand and must control any subsequent verdict, and therefore a new trial is unnecessary and improper." The court denied the correctness of the proposition.

In *Insurance Co.* v. *Shillito,* supra, the superior court at special term, upon the facts found by it, rendered judgment against the plaintiff. The court at general term reversed the judgment and remanded the cause to the special term for new trial. The insurance company prosecuted error

in this court to reverse the judgment at general term on the ground "that there was no error in the proceedings of said court at special term."

It is clearly discerned, that the office or function of special findings of a jury are quite different from the findings of a court to which a cause is submitted without the intervention of a jury. The difference is both natural and statutory. Besides this observation, the question we have before us was not before the court in that case, either in form or substance. Nor does the case of *Andrews* v. *Youngstown,* supra, shed any light on this controversy. The court there held that "where a judgment is reversed for error accruing on the trial, the party against whom the reversal is had, by voluntarily submitting to a new trial which results in a verdict and judgment, waives his right to prosecute a petition in error to reverse the judgment of reversal." The latter holding is in entire accord with our construction of the Indiana and Iowa cases cited. We therefore hold that the plaintiff in error is properly in this court and that it has jurisdiction to hear and determine his assignments of error.

Incidental to the argument of the foregoing subject, counsel for defendant in error, assert as a rule of practice, that plaintiff in error is without remedy on error, because he filed the motions for new trial and for judgment on the special findings simultaneously, and that both were decided by the trial court at the same time, and it so appears of record. It also appears that in one judgment rendered by the circuit court, it granted a new trial on the ground that certain instructions were refused, and also adjudged that there was no error committed in overruling the motion for plaintiff in error in the special findings.

We presume that the point intended to be made is, that the judgment of the circuit court being thus joint in form, the plaintiff in error cannot so divide it as to accept the benefits of a judgment for new trial, and also prosecute error to the balance of the judgment. The argument on this subject is very obscure, and the reasons back of it, are equally obscure.

The plaintiff in error did not submit to a new trial and avail himself of that relief, but proceeded to this court to test his right to judgment on the special findings. We can discover no trace of prejudice to any one in the exercise of this right arising out of the fact that both motions were filed and decided at the same time; and the condition of the record in that respect is no bar to the present proceeding.

It is proper here to add, what we regard as the proper order to be observed in cases where it is desired to file one or both of the motions referred to, although it is not adopted as an absolute or invariable rule to govern under all circumstances, but as the better and general rule of practice. We therefore think that in the trial of a civil action, wherein the jury return with a general verdict, special findings on questions of fact under the instructions of the court, the party against whom the general verdict is returned, may first move for judgment in his favor on the special findings, and if his motion is refused, he may then file his

motion for a new trial within the time prescribed by law. But where the court fails to pass on the motion for judgment on the special findings, within the time allowed for filing a motion for new trial, the latter motion may be filed within such time, and before the decision of the motion for judgment. In either case, the motions should be filed and decided in the order indicated.

2. We now come to the second inquiry in the case. Is the plaintiff in error entitled to judgment on the special findings made by the jury? Is the special finding of facts inconsistent with the general verdict?

The provision of our statute regarding special findings, obtains in substance, in many, if not all, the states having a code of civil practice. It is found also in the statutes of some of the states where a code of civil procedure does not prevail, as in Indiana. The object of such provision has been defined by the appellate courts of several of such states, and when we clearly understand the purpose to be served, we will be better enabled to say whether the findings in this record are inconsistent with the general verdict. It was said by Justice Hanna of Indiana in *Buntin* v. *Rose,* 16 Ind., 209, that "Before the enactment of our statute, enabling a party to ask that a jury shall respond to interrogatories, it was difficult to have placed upon the record of a trial, the component parts of, or elements which entered into and formed the verdict of a jury. This was felt and considered as operating injuriously in many instances, because of the current of decisions in this court for many years to the effect that a verdict in a civil case should not be disturbed on the evidence where there was proof tending to sustain it."

In *Morrow v. Commissioners,* 21 Kas., 484, the supreme court of that state, through Justice Brewer says on page 503, that: "The main object of special questions is to bring out the various facts separately, in order to enable the court to apply the law correctly, and to guard against any misapplication of the law by the jury. * * * * * * * * *"

In *Davis v. Town of Farmington,* 42 Wis., 425-432, the supreme court of Wisconsin is of opinion that: "By requiring the jury to pass separately and specifically upon each controverted question of fact material to the issue, a more careful and methodical consideration of the testimony by the jury may be secured, and the precise grounds upon which the judgment is based will be disclosed." And in *Moss* v. *Priest,* 19 Abb. Pr. (N. Y.), the New York superior court say on page 317: "The object of the provision in regard to special findings was to enable the court to leave the case to the jury generally, but to control their general verdict by findings which would render a second trial unnecessary in cases where no exceptions were taken, or rather to prevent exceptions to the charge. * * * * * * * * * * * * * * *"

In connection with these authorities, we keep in mind another proposition, that the special finding is inconsistent with the general verdict only when the two are irreconcilable. Elliot, C. J., in *Railway Co.,* v.

Beyerle, 110 Ind., 102, makes the very strong declaration that: "Nothing will be presumed in aid of the answers to the interrogatories, nor will they control the general verdict unless they are invincibly antagonistic to it."

In *Woolen* v. *Wishmier,* 70 Ind., 108, the supreme court of Indiana declare that: "It must be remembered that a special finding must be irreconcilably inconsistent with the general verdict, before the latter can be set aside and the former substituted in its place." See also *Amidon* v. *Gaff,* 24 Ind., 128-130; *Railroad Co.,* v. *Stout, Admr.,* 53 Ind., 143. In the latter case it is held: "Special findings in answer to interrogatories over-ride the general verdict only when both cannot stand; and the supreme court will not direct a judgment in favor of a party against whom the general verdict has been rendered, unless this antagonism is apparent on the face of the record and the special finding cannot, by any hypothesis, be reconciled with the general verdict."

To the same effect are *Alexander* v. *University,* 57 Ind., 466; *Murray* v. *Phillips,* 59 Ind., 56; *Railroad Co.* v. *Barton,* 61 Ind., 293; *Hershman* v. *Hershman,* 63 Ind., 451. See also *Bills* v. *The City of Ottumwa,* 35 Ia., 107, where it is held that: "To justify the court in setting aside a general verdict on the ground that they are inconsistent with the special findings, the conflict must be irreconcilable."

The latter statement of the rule seems to be the conservative judgment of the courts passing on the question.

Are the special findings disclosed in this record inconsistent with the general verdict? We think not. What are they?

1. The defendant in error passed the entry where he was injured about three hundred and sixty times.

2. He did not, while working in the entry make any endeavor to ascertain the condition of the entry through which he passed.

3. He took no notice of nor did he pay any attention to the roof of the entry, or observe that the same was propped, and cross timbers in it for the protection of the roof.

4. The defect in the roof of the entry at the point where plaintiff was injured was obvious and noticeable to a person going in or out of such entry.

5. It was not the duty of the plaintiff while driving for defendant to notice, examine, or pay any attention to the roof of the entry in which he was at work.

These in substance are the special findings.

It was no part of the duties of the plaintiff below to inspect or repair the entry to the mine. His employment was to drive the mule hauling cars of coal from the rooms where mined to the hoisting shaft. It is true the jury found that he made no endeavor to ascertain the condition of the entry through which he passed, and that the defect in the roof of the entry was "obvious and noticeable to a person going in or out of such entry." There is no finding that he did notice its condition; or, that he could, by

the exercise of ordinary care, while passing through the entry, have discovered the defect. The person mentioned in the finding to whom it would be noticeable, might be an expert or one whose duty it was to inspect and repair such defects. To such a person a defect in the roof might be readily apparent, because its discovery formed a part of his duty, while it would not be obvious or noticeable to one whose duties were entirely different, and who had primarily the right to rely upon the operator of the mine to keep the entry in reasonably safe condition.

We think this branch of the case is ruled by the doctrine laid down by this court in *Wellston Coal Co.,* v. *Smith,* 65 Ohio St., 70. The fourth section of the syllabus is: "In the business of mining coal it is the duty of the owner or operator of a mine to furnish reasonably safe entries for the ingress and egress of those employed in such mine, and to keep such entries in a reasonably safe condition, and the miners may rely and presume that this duty has been properly performed."

It is also held in that connection, that: "It is the duty of the miner, as to such entry, to use ordinary care for his own safety in view of what he knows or ought to know as to the condition of such entries; and he ought to know every fact which he would know if he exercised ordinary care to keep himself informed as to matters concerning which it is his duty to inquire in the employment in which he is engaged." On page 82, through Burket, J., this court says: "If the plaintiff knew the roof of the entry to be unsafe, and entered notwithstanding such knowledge, he was negligent and ought not to recover; but as it was the duty of the mine boss to furnish a reasonably safe entry, and to keep it in a reasonably safe condition, the miners could rely upon that duty being performed, and were not required to test and inspect the roof of the entry themselves and were not charged with knowledge of its unsafe condition, farther than the knowledge they would ordinarily obtain in the proper discharge of the work they were employed to perform."

We think this covers the whole law applicable to the special findings, and we need not discuss them further. The judgment of the circuit court is affirmed.

Judgment affirmed.

BURKET, C. J., SPEAR, SHAUCK and CREW, JJ. concur.

DAVIS, J., dissenting.

I cannot bring myself to concur in the last paragraph of the syllabus in this case, or in the judgment. It seems to me that both are illogical. In the syllabus it is said that: "A servant employed in a coal mine, to haul cars of coal from the rooms where the coal is mined through an entry to a hoisting shaft, by the use of a mule and cars, is chargeable with actual notice of every fact which he would have known had he exercised ordinary care in keep himself informed as to matters concerning which it is his duty to inquire." This is sound law, and since the jury in its answers to special interrogatories found that the plaintiff had gone in and out through

the entry three hundred and sixty times, and that while working in the entry he made no effort to ascertain the condition of the roof thereof and took no notice of and paid no attention to the roof of the entry nor the support thereof, and that the alleged defect was obvious and noticeable to a person going in and out of such entry, it seems to be conclusively established that he was chargeable with actual knowledge of the defect; for under such circumstances he could not be ignorant of that which was "obvious and noticeable" without the want of ordinary care. Yet, in the face of that which, to the average mind, must seem to be an irresistible inference from the law and facts as found, it is held that the plaintiff may nevertheless put behind him all knowledge or its equivalent, ability to know if he had looked, and blindly rely on the master to perform his duty to furnish him a safe place in which to work; and that when he is injured through the negligence of the master, he may recover therefor notwithstanding he has assumed the risk with full knowledge, or has recklessly refused to see an obvious thing. That is precisely the effect of the judgment in this case, however the opinion may be worded, although I do not think that I have misconstrued the language used. It seems to me that this ruling is contrary to all precedent and especially to the law as laid down in *Coal & Car Co.,* v. *Norman,* 49 Ohio St., 598, and *Coal Co.* v. *Estievenard,* 53 Ohio St., 43. It is true that the plaintiff avers in his amended petition that he was without knowledge of the defect, but the jury has expressly found that he had such knowledge or the equivalent thereof.

It also seems to me to be both indefensible and misleading to indicate that this judgment follows *Wellston Coal Co.* v. *Smith,* 65 Ohio St.,70. I did not concur in that opinion in its entirety; but I never understood the ruling in that case as justifying a miner either in ignoring his actual knowledge, or in neglecting to know when knowledge was perfectly "obvious and noticeable;" for in this case the controversy is not about occult things which might require expert tests to discover. Under the facts specially found by the jury, this was not a case requiring "tests" or "inspections" in order to discover the danger. Nor do I think the court so understood the cited case, for on page 82, Burket, J., says: "If the plaintiff below knew the roof of the entry to be unsafe and entered notwithstanding such knowledge he was negligent and ought not to recover;" and in the syllabus of the case it is held that: "It is the duty of a miner as to such entry to use ordinary care for his own safety in view of what he knows or ought to know as to the condition of such entries;" and surely he "ought to know" when he could know by mere looking. It is said in the case at bar that the jury found that it was not the plaintiff's duty to notice defects in the roof of the entry or in the supports thereof; but in a legal sense the jury could not find that, when the law requires that the plaintiff ought to know everything concerning his own safety which he could learn by the exercise of mere ordinary care. The special

findings are absolutely irreconcilable with the general verdict, because they plainly indicate either, (1) assumption of risk with actual knowledge of the defect, or (2) want of ordinary care, or (3) both assumption of risk with knowledge of the defect and want of ordinary care. For the reasons here briefly outlined I entertain the opinion that the plaintiff in error is entitled to judgment on the special findings notwithstanding the general verdict.

THE NORTHERN OHIO RAILWAY CO. v. RIGBY.

69 O. S., 184.

(Decided November 17, 1903.)

Explosion resulted from act done by direction of foreman—Superior directs inferior to perform duty—Contributory negligence—Law of master and servant.

ERROR to the Circuit Court of Summit county.

On or about the fourth day of December, 1895, the defendant in error was severely injured in the yards of the plaintiff in error, at Delphos, Ohio, by the explosion of what is commonly known as the Baker Car Heater, which was in passenger coach No. 22, owned and operated by the railway company.

The plaintiff below was an employe of the plaintiff in error, as he alleges, in the capacity of foreman of car repairers at the shop of the company, on its line of railroad at Delphos, and that his duty was to make and cause to be made such repairs of the cars of the defendant, as he might be ordered to make from time to time.

The evidence tends to prove that Rigby, plaintiff below, had several years' experience as foreman of car repairers on the line of defendant company, and on other railroads, before engaging with the defendant, and that he also had considerable knowledge of, and experience with, the Baker Car Heater, and as a mechanic, possessed a fair knowledge of its construction and mode of operation. The evidence further tends to show, that in the discharge of his duties he had experience as to the proper method of thawing out the pipes of this system of heating cars, when the water circulating therein from the heater had become frozen. This heating system when in proper condition was furnished not only with a pressure gauge, but also a safety or pop valve. The safety or pop valve is connected with the drum of the heater on the roof of the car, and its purpose is to furnish relief from excessive pressure.

There is evidence tending to prove, and it is not seriously in dispute, that on or about November 25th, preceding the explosion, and while this car No. 22 was standing in the Delphos yards, Rigby was directed to get it ready to go out upon the road, and it was found that the drum of the heater was without the safety or pop valve. The master mechanic, Marshall, was informed of this fact, and after some discussion, Rigby was told by the master mechanic to put in a plug where the safety valve should be, until valves which had been ordered, should arrive. This was done by Rigby, and a solid plug was put in the vent of the drum. The heater was then filled with water and fired up ready for the road. It turned out that the car was not needed at once, and the fire was drawn from the heater. The car then stood for several days out of doors in the open yard, in severe cold weather, and such water as remained in the pipes froze.

On the day of the explosion, December 4th, it became necessary to get car No. 22 ready for use on the road the next morning. The evidence shows that Marshall, as master mechanic, telegraphed to Rigby, "Get car 22 ready."

In pursuance of this direction or order, Rigby set about to thaw out the pipes, while the pressure gauge was absent and the plug was in the vent of the drum instead of a safety or pop valve; and in so doing the explosion occurred, and he was seriously injured.

The negligence complained of in the plaintiff's petition, in substance, consists in the company failing to furnish the safety or pop valve as its master mechanic had promised should be put in, and in ordering plaintiff to proceed with the plug in, which, with the weak and defective condition of the heater, caused the explosion and his injuries.

The answer of the company denies any defective or weakened condition of the heater, and all negligence on its part, and charges that the plaintiff had full knowledge of the danger of attempting to thaw out the pipes without a sefety valve, and negligently proceeded with the work under the circumstances, well knowing the dangers to be encountered, and thus contributed to his injuries.

The defendant company requested the court to give the jury certain instructions, some of which were substantially embraced in the general charge, and others were given in the language requested. The seventh request was not so given, and for this, error is assigned. The request is as follows:

"7. If you find from the evidence that the talk between Marshall and Rigby about putting in the plug in the heater was merely determining the best mode of putting the same in condition for use, until the 'pop valves' came, they having equal knowledge of the defect, and the safety of using the same in that condition; and that Marshall telegraphed Rigby to get car No. 22 ready for use; and under Marshall's order Rigby went ahead and used the heaters, assuming all the direction as to its use in that

condition, the mode of building the fire, and thawing out of the pipes, and had sole charge of the work, then I say to you that the doctrine of promise to repair defective machinery, would not apply to him. Under such a state of facts, and in that case, he should be held to assume the risk of the use of such defective heater, and he cannot recover in this case.

"The promise to repair the defective heater claimed in this case, must have been made for the benefit of the plaintiff, and to induce him to continue work and not simply in the interest of the defendant. And if you find from the evidence that it was merely a talk between Marshall and Rigby as to the best way to prepare the car for use, to put a plug in until the 'pop valves' came; both having equal knowledge of the safety valve and its use, and was not intended for an order to Rigby to use it against his judgment, then I say to you that the doctrine of promise to repair defective machinery and continued use by an employe, does not apply, and Rigby would be held to have assumed the risk of the use of the heater in such condition, and he cannot under such circumstances recover in this case."

Exception was taken to the refusal to give this instruction, as well as to others not given. After argument, the court charged the jury, and special and general exceptions were taken. The jury found for the plaintiff. Defendant's motion for new trial was overruled, and judgment entered on the verdict, which was affirmed by the circuit court, and error is prosecuted here to reverse the judgments of both courts.

The questions raised on the general charge are stated in the opinion.

PRICE, J. It is disclosed by the record that this case has been thrice tried to a jury, each trial resulting in a verdict and judgment for the plaintiff. The judgments rendered on the first and second verdicts were reversed by the circuit court, but it affirmed the last judgment, and we have the controversies of the last trial before us on the petition in error and bill of exceptions, which contains all the evidence and the numerous questions of law which arose during the trial.

The assignments of error are many, and they have received our careful consideration. We discover no substantial error in the admission or exclusion of evidence, and all proper instructions asked by the railway company were either given in terms, or in substance in the general charge. They were not asked to be given before argument to the jury commenced, and therefore no legal right of plaintiff in error in that respect has been violated.

Defendant's special instructions four and seven were not given as requested, nor can it be said that their substance is embraced in the general charge. But the omission is not error, because the principle sought to be impressed by each request seems to be predicated upon the assumption of an important fact which was in dispute between the parties. This prominently appears in request seven, found in the statement of this case. It opens as follows: "If you find from the evidence that the talk between

Marshall (the master mechanic) and Rigby about putting in the plug in the heater, was merely determining the best mode of putting the same in condition for use, until the 'pop valves' came, they having equal knowledge of the defect, and the safety of using the same in that condition; and that Marshall telegraphed Rigby to get car No. 22 ready for use; and under Marshall's order Rigby went ahead and used the heaters, assuming all the direction as to its use in that condition, the mode of building the fire, and thawing out of the pipes, and had sole charge of the work, then I say to you that the doctrine of promise to repair defective machinery, would not apply to him. * * * * * * *"

The railway company introduced evidence tending to prove that Rigby had skill and knowledge concerning the system of heating, equal and even superior to that of Marshall, the master mechanic, and that he was able to act, and in this case, did act, on his own knowledge, skill and judgment. However the plaintiff denied this, and asserts that his knowledge and skill are inferior, and that he relied on the judgment and directions of Marshall. Hence, it would have been error for the court to assume that they had equal knowledge on the subject, and on that assumption base an instruction calculated to materially affect the verdict.

We now come to the general charge of the court. To this charge counsel for the railway company have devoted much criticism, and urge that the law applicable to the issues and facts of the case was not given the jury, and that improper rules were submitted for its consideration, bearing on the risks assumed by Rigby; the duties of the railway company touching the same subject; the charge of contributory negligence made in its answer, and the promise of the superior to the employe to replace the plug with a safety valve.

We are of the opinion, however, that the charge does not justly deserve all that has been said about it; and if the court had left it with the jury when it seems to have reached a proper close, we could find no sufficient reason for a reversal of the judgment. But the court did not stop where the charge properly ended. This language follows: "Now, gentlemen, this case has occupied a number of days and the evidence covers a wide field of inquiry, and, as you see from the somewhat lengthy instruction I have given you, that numerous questions of law arise. I have endeavored to give you them as clearly as I possibly could, but in view of their length, it is possible that men not fiamiliar with the examination of legal questions might not readily apprehend them; therefore, in connection I will summarize what I have thus said, and make it as near as I can applicable to the particular case before you."

The summary was made, and after being introduced by the foregoing language, it would be quite natural for the jury to lose sight of much that had been said during the progress of the long charge, and look to the attempted summing up of the whole matter within a much smaller compass, and which it would more readily grasp and remember. If the summary

was free from fault this would be well. On the other hand, if it embraces the virus of serious error the same became the more conspicuous and controlling with the jury. Less than two pages of the printed record contain the summary, of which we find the following on page 531:

"If you find at the time of the explosion and for several days prior thereto, there was no safety valve in the drum of the Baker Heater in car 22; that said safety valve had been removed and replaced by a solid plug, and that Rigby knew of these facts when he attempted to thaw out said heater at the time of the explosion complained of; and further if you find that the said explosion resulted wholly from the fact that said drum had a solid plug instead of a safety valve, then Rigby would, nevertheless, be entitled to recover in this action if you find by a preponderance of the evidence either, that in attempting to thaw out said heater, as he did, he was acting in obedience to a positive order of his superior, that a person of ordinary prudence would, under the circumstances, have obeyed such order, and that in obeying such order he used ordinary care; or that Rigby informed his superior of the want of a safety valve in said drum and that said superior ordered him to put in a solid plug and to use said drum with a solid plug, and then promised Rigby to have said solid plug promptly replaced by a proper safety valve, and that Rigby, in reliance upon such promise, continued in the employ of the Northern Ohio Railway Co., and that a reasonable time to replace said plug, had not elapsed between said promise and said explosion, and that in getting said car 22 ready for the road at the time of the explosion, he used reasonable and ordinary care, unless you find that no ordinary prudent man would, under all the circumstances have continued in such employment and obeyed such order."

To say the least of this paragraph, it is very much involved, and if there was any confusion in the preceding instructions, it became worse confounded in this summary. The jury was told, that if there had been no safety valve in the drum of the heater for several days, that it had been removed and replaced by a solid plug of which facts Rigby had knowledge when he attempted to thaw out the heaters, and if the explosion resulted wholly from the fact that the drum had a solid plug instead of a safety valve, "then Rigby would nevertheless be entitled to recover," if the jury should find from a preponderance of the evidence, either, that in attempting to thaw out the heater he was acting in obedience to a positive order of his superior, which a prudent person, under the circumstances would have obeyed; or, that if the jury find that Rigby had informed his superior of the want of a safety valve, who informed him to put in the solid plug and so use the heater until the plug could be replaced by a safety valve, and Rigby relied on the promise and continued in the employ of the railway company, and a reasonable time in which to replace the safety valve had not elapsed at the time of the explosion, provided he used

ordinary care; unless the jury found that no ordinarily prudent man would have continued in the service and obeyed such order.

We have endeavored to analyze this paragraph, and place the component parts in such juxta-position with each other, as to convey a clear meaning, but without success. In starts abruptly and as it is unfolded it becomes more complex. The premises for the principle inculcated, are laid after its assertion, and the paragraph ends with a qualification which reflects no light on what precedes it.

The evidence at least tends to prove, that Rigby had taken the safety valve from car 22 and put it on the drum of the heater of another car, and this too, several days prior to the explosion. True, it was done after consultation with Marshall, and by his directions. Another fact which the evidence tends to prove, is that there was no steam pressure gauge on the heater in car 22, and had not been for several days, which fact was well known to Rigby. The evidence further tends to prove that Rigby, beside the knowledge of this condition of the heater, possessed large experience as foreman of car repairers, and also had considerable experience with the Baker system of heating and the method of thawing out the pipes when frozen.

Such being the state of the evidence, the court, in its summary, in effect says, that although Rigby knew of the absence of the valve, he might "nevertheless recover, if he was acting in obedience to a positive order of his superior," where a person of ordinary care would have obeyed such order. The order relied on as inducing Rigby's conduct on the day of the explosion, came by wire from Marshall—"Get car 22 ready." We are not directed to any other order, and we discover none other in the record. It seems to be conceded that such was at least the substance of the order. The court speaks of this as a positive order, obedience to which enters into one of the conditions of recovery. It may be a positive order to get the car ready, but it is silent as to the means to be used in that behalf. It prescribes no means or method, and it may be quite true that Marshall, at the time the message was sent, was not aware that the pipes were frozen. The order may have implied thawing out of the pipes, if necessary to get the car ready, but Rigby was left to use his own judgment as to the manner of performing the duty.

The natural tendency of the instruction was, that the order to get the car ready, implied the use of the means which Rigby adopted in thawing out the pipes. To prevent such misunderstanding on the part of the jury, the court should have been more explicit on the vital and perhaps turning point in the case.

The balance of the paragraph stating the other condition of recovery is equally unfortunate in its language, and we think as a whole it is erroneous and misleading.

Without further comment, we very reluctantly conclude, that for this error, the judgment must be reversed, and the cause remanded for another trial.

Judgment reversed.

BURKET, C. J., SPEAR, DAVIS, SHAUCK, and CREW, *JJ.*, concur.

THE KELLY ISLAND LIME AND TRANSPORT CO. v. PACHUTA, ADMX.

69 O. S., 462.

(Decided February 2, 1904.)

Employer not liable to one servant—For negligence of another servant—Law of master and servant.

ERROR to the Circuit Court of Ottawa county.

CREW, J. At the time of the injury to John Pachuta which resulted in his death, and gave rise to this action, he was employed by the plaintiff in error as a quarryman in its limestone quarry at Marblehead, in Ottawa county, Ohio. He had been in the employ of, and had worked for said company for about twenty years and for about nine years had been employed in the company's quarry at Marblehead. There were in this quarry two ledges of rock, an upper ledge known and designated in the evidence as the "flux ledge" and a lower ledge known as the "limestone ledge" or "lower rock ledge." These ledges were from nine to twelve feet in height and the upper or flux ledge, which was furthest south, was about five hundred feet distant from the lower or limestone ledge. At the time he was injured, the deceased, John Pachuta, with other workmen, was working upon this lower or limestone ledge and was engaged in quarrying and breaking up and removing stone from said quarry. The method employed in this quarry for loosening and getting out the stone was that of blasting, holes were drilled short distances apart along these ledges of rock, these holes were loaded or charged with powder or dynamite and the charge was then exploded by means of an electric battery. This was called "battery blasting," and the usual effect of such blast was to sever the edge of the ledge of rock along which the blast was placed, from the main body, after which the rock so severed or blown off was broken up by the workmen into smaller pieces, and when so broken up and prepared it was then taken to the kiln for burning, or to railroad cars for shipment. The blasting at this quarry was, and for several years had been in the immediate

charge of one John Schaffer, whose duty it was to superintend the preparation and firing of these "battery blasts" and to give warning and notice to the other workmen in the quarry when a blast was about to be fired that they might seek a place of safety before such blast should be discharged. Schaffer had as an assistant in the preparation and firing of these battery blasts a man by the name of Onko, and in obedience to instructions issued by the general quarry foreman, Mr. Fillabaum, it was usual for one or the other of these two men—Schaffer or Onko—after a blast had been prepared and was ready to be discharged, to give notice to the other workmen in the quarry that a blast was about to be fired, and this they did, according to the custom of the quarry by going near to such other workmen and calling out the word "fire," after which sufficient time was allowed them to get under cover or to withdraw to a place of safety before the blast was discharged. Schaffer, who in the language of the quarry was known as the "powder man," had no authority or control over Pachuta or the other workmen employed in said quarry; but Schaffer, Onko and Pachuta were each and all of them directly and immediately under the same foreman, Mr. Frank W. Fillabaum. On the day of, and immediately prior to, the injury received by Pachuta, which resulted in his death, a number of holes had been drilled in the upper or flux ledge of said quarry and these holes had been loaded with dynamite. After the blast had been so prepared, Schaffer sent Onko to the lower ledge to notify the men then working there, one of whom was Pachuta, that a blast was about to be discharged. Onko went along the lower ledge and gave the usual warning by calling out, "fire"; several of the workmen heard the warning and withdrew to a place of safety; others claimed they did not hear it. Pachuta, who is not shown to have heard the warning, remained where he was then at work, and when the blast was discharged he was struck by a stone thrown out by said blast and received injuries, from the effects of which, four days later, he died. To recover damages for causing his death, this action was brought by his administratrix against the plaintiff in error, The Kelly Island Lime & Transport Co., she alleging in her petition that his death was caused by, and resulted from, negligence on the part of said company. While acts of negligence other than that of a failure to give notice were charged by defendant in error, in her petition, no claim was made that the company did not exercise due care in the selection of its servants, nor is there any charge that such servants were incompetent, and upon the undisputed facts of this case no right of recovery exists in her favor, and no liability on the part of plaintiff in error in shown, unless such right exists and such liability arises from a failure to give notice or warning to Pachuta that a battery blast was about to be exploded. Assuming then, as we do in this case, that from the evidence, the jury was authorized to find that no such notice was given him and that the death of Pachuta resulted from, and was in consequence of, the failure of Schaffer to give, or cause to be given, proper notice of the intended discharge of said blast, the only question we have thought it neces-

sary to consider upon this record, is whether such neglect and failure upon the part of Schaffer, is in law imputable to the plaintiff in error, The Kelly Island Lime & Transport Co., who was the common employer of Schaffer, Onko and Pachuta, and whether such company is liable for, and legally chargeable with, the results of such negligence. The determination of this question involves a consideration of the question as to whether or not Schaffer, Onko and the deceased, John Pachuta, were fellow-servants. The genral rule that a common master cannot be made responsible for injuries resulting to a servant from the negligence of a fellow-servant, is a principle now well established in almost all jurisdictions. This rule in Ohio was recognized and announced by this court almost half a century ago in the case of *Railroad Co.,* v. *Keary,* 3 Ohio St., 201, and has since been followed by a long and uninterrupted line of decisions to the same effect.

It remains then only to determine whether under the rule in Ohio, defining and prescribing who shall be deemed and held to be fellow-servants, John Pachuta was a fellow-servant, engaged in a common employment, with the parties Schaffer and Onko, who had charge of the battery blast at the time Pachuta was injured.

At the time of the accident these persons were all engaged in the common employment of getting out stone from this quarry—Schaffer and Onko in blasting the stone off from the ledges, and Pachuta after it was so blown off, in breaking it up into smaller pieces and thus preparing and making it ready for the kiln, or for shipment. Although working in different parts of the same quarry their work was in connection with each other and had relation to the same common end, that of getting out the stone, and their co-operation was necessary to bring about that result. They were all employed by, and were serving the same master, neither was in a position of subordination to, or subject to the order and control of the other, but they were each and all of them under the immediate control and authority of the same foreman, Frank W. Fillabaum, and were all engaged in the same general work. In Ohio the test to be applied in determining whether a particular servant is a vice-principal or a fellow-servant, except in certain cases where the rule has been modified by statute, is whether or not he has been placed by his employer in a position of control or authority over his co-employe. That this, rather than the nature and character of the work being done, is the controlling and governing test in this state, would seem to be well settled by the following authorities: *Railroad Co.* v. *Keary,* 3 Ohio St., 201; *Railway Co.* v. *Lewis,* 33 Ohio St., 196; *Railway Co.* v. *Ranney,* 37 Ohio St., 665. In *Railroad Co.* v. *Keary,* we find the following syllabus:

"But a principal is not liable to one servant in his employ for injuries resulting from the carelessness of another servant, when both are engaged in a common service, and no power or control is given to the one

over the other. They stand as equals to each other, and are alone liable for the injuries they may occasion.

"But when the failure occurs in that branch of the service committed by the principal to the subordinate servants, it is their fault, and not that of their employer, and a breach of their obligations, and not his; and where they enter the service with a knowledge that several are to be engaged, each takes upon himself the hazards of the employment including that of negligence by fellow-servants, and public policy requires that they should be interested in exercising supervision over each other."

In *Railway Co.* v. *Lewis,* supra, Day J., in the opinion, says, at page 199: "A master, whether an individual or a corporation, is responsible to his servants for his own negligence, but not for that of their fellow-servants. This is the general rule, subject, however, to the modification recognized in the jurisprudence of this state, that where one servant is placed in a position of subordination to, and subject to, the orders and control of another servant of a common master, and the subordinate servant, without his fault, is injured through the negligence of the superior servant while both are acting in the common service, the master is liable therefor. *P., Ft. W. & C. Ry. Co.* v. *Devinney,* 17 Ohio St., 197; *Berea Stone Co.* v. *Kraft,* 31 Ohio St., 287."

Again, in the case of *Railroad Co.* v. *Margrat,* 51 Ohio St., 130, Judge Bradbury, in discussing the question of who are fellow-servants, at page 141, says: "Was the engineer in charge of locomotive a fellow-servant of Margrat for the consequences of whose negligence the company was not liable to the latter? Margrat and the engineer in charge of the locomotive that struck him were in the employment of the same master. The former was a brakeman on one train, while the latter was an engineer on another train of the same company. Neither had been clothed with authority over the other, therefor the relation of superior and subordinate between them had not existed in fact. In the absence of such relation, their common employer would not be liable to either for injuries received through the negligence of the other, unless the rules of law upon the subject heretofore announced by this court have been abrogated."

In the light of these authorities, upon the undisputed facts in this case, the conclusion that Schaffer, Onko and Pachuta were fellow-servants, is inevitable. It is, however, contended in this case, by counsel for defendant in error, that because of the nature of the work, a duty was by law imposed upon the master. The Kelly Island Lime & Transport Co., in respect to furnishing a safe place for its workmen, and that the duty so imposed included the duty and obligation to give notice and warning to such workmen, whenever a blast was about to be discharged in said quarry. That this duty on the part of the master was an absolute duty and that it could not be delegated by the master so as to absolve him from liability in case of the failure to perform such duty by the person to whom the

same might be delegated. We need not here enter upon a discussion of the rule as to the liability of an employer for failure to furnish a "safe place," inasmuch as such rule can have no application to a case such as we are now considering. In this case the deceased, John Pachuta, at the time he was injured was working in an open quarry, engaged with other workmen, in getting out, quarrying and removing stone therefrom. The quarry itself was not an unsafe place, and if it became so it was only by reason of the negligence of a fellow-servant engaged in a common employment with decedent and during the progress, and while performing a part of, the work incident to such common employment. To such condition of facts the rule of "safe place" can in Ohio have no application. *Railroad Co.* v. *Webb,* 12 Ohio St., 475; *Coal & Mining Co.* v. *Admr. of Clay,* 51 Ohio St., 542; *Cullen* v. *Norton,* 126 N. Y., 1. In support of the claim that the dangerous character of the work and the obligation of the master to maintain a safe place, imposed upon the plaintiff in error the absolute duty of giving actual notice to the workmen in the quarry before the discharge of each battery blast, counsel for defendant in error cite us to the case of *Mooney* v. *Bellville Stone Co.*—a New Jersey case—found in American Negligence Reports, vol. 4, page 195,where it is held upon a state of facts very similar to those in the case at bar, that the giving of warning was a duty owed by the employer to the employes, and the failure of the foreman of a gang of workmen, to perform this duty carefully, was imputable to the defendant as employer. This case is directly in point. But the rule therein laid down cannot, we think, be taken and accepted as the law in Ohio. In holding the master liable in this case, the New Jersey Court of Appeals, does so upon the theory that the duty of the master to maintain a "safe place" is imperative and absolute; and that such duty is violated and the master made liable if through the negligence of a fellow-servant, because of his failure to give proper warning, the place is made temporarily dangerous and unsafe, by the doing of that which in the prosecution of the particular business, was usual and necessary to be done, and the doing of which was but a part of, and incidental to, the proper conduct and management of such business itself. In other words, the court in effect holds, that the obligation and duty of the master is that of a guarantor or insurer. Such is not the law in Ohio. Hence the doctrine of this case can have no application in this state. *Railroad Co.* v. *Webb,* 12 Ohio St., 475; *Railroad Co.* v. *Fitzpatrick,* 42 Ohio St., 318. Further, the New Jersey rule for determining the liability of a master, and as to who are fellow-servants, is not the same as the rule in Ohio, In New Jersey, the character of the work being performed is the governing test—*Knutter* v. *N. Y. and N. J. Telephone Co.,* 67 N. J. L., 646—while in Ohio the question of control is the test to be applied.

In the case at bar, the only negligence shown, being the negligence of

a fellow-servant of the decedent, John Pachuta, the master, The Kelly Island Lime & Transport Co., cannot be held liable for the results of such negligence. The plaintiff in error was, upon the record, entitled to have judgment in its favor, and its motion to arrest the case from the jury, and for judgment, should have been sustained.

Judgment reversed and judgment for plaintiff in error.

SPEAR, DAVIS, SHAUCK and PRICE, JJ., concur.

THE CLEVELAND, LORAIN & WHEELING RAILWAY CO. v. SHANOWER.

70 O. S., 166.

(Decided April 26, 1904.)

Engineer and brakeman—Fellow-servants—Section 3365-22, Revised Statutes.

ERROR to the Circuit Court of Tuscarawas county.

Plaintiff by his petition, after certain formal allegations, alleged that on the twelfth day of December 1899, he was directed by the defendant, plaintiff in error here, to act as brakeman on one of its freight trains, which train consisted of about thirty-two cars, a locomotive engine, and caboose; that on said date, while the train was in motion and running northward on said railroad, a short distance north of Flushing, the train of cars parted about twenty-two cars from the locomotive engine, leaving about ten cars and the caboose following the engine and twenty-two cars; that the engineer, with full knowledge that the train had parted, and that the said ten cars and caboose were following, carelessly and negligently permitted the said ten cars and caboose to overtake and collide with the twenty-two cars and the locomotive engine, wrecking the said cars, and thereby injuring the plaintiff to such an extent that his left leg had to be, and was, amputated; that the plaintiff was in the exercise of ordinary care and without fault or negligence on his part and that the engineer was employed by the defendant and actually had power and authority, as such employe, to direct and control the fireman employed by the defendant and working upon said locomotive engine attached to and hauling said train; and that the plaintiff as such employe, had no authority to direct and control any employe or person in the service of the defendant.

This petition was demurred to, for the reason that it does not state facts sufficient to constitute a cause of action in favor of the plaintiff against the defendant. The demurrer was overruled, and, after answer and reply, trial was had in the court of common pleas; and at the close of the plaintiff's testimony, as well as at the close of all the testimony, the defendant requested the court to instruct the jury to return a verdict in favor of the defendant, which was refused; and the court charged the jury, among other things, as follows: "If you find by a preponderance of the evidence that the engineman actually had power or authority to direct or control the fireman, and that the plaintiff, a brakeman, had no power or authority to direct or control any employe in the branch or department in which he was employed, then I charge you that the engineman and the plaintiff were not fellow-servants."

The court of common pleas overruled the motion for a new trial, and, on petition in error in the circuit court, the judgment was affirmed. Defendant below prosecutes error to reverse both of the judgments below.

DAVIS, J. This case is not controlled by the decision in *Railway Co.* v. *Margrat,* 51 Ohio St., 130. The facts of that case were held to justify the application of the statutory rule provided in the last clause of section 3365-22, Revised Statutes. Inasmuch as the engineer and the injured brakeman were engaged in distinctly separate enterprises, that is, the operation of separate trains, it was held that the engineer was a person "having charge or control of employes in any separate branch or department" and therefore the superior and not the fellow servant of the brakeman on another train who had "no power to direct or control in the branch or department" in which he was employed. There may be reasons for doubting the soundness of that interpretation of the words "separate branch or department," but that question does not necessarily arise here.

The statute is in derogation of the common law, and therefore it cannot be enlarged beyond its terms. It declares that it is intended to add to the liability already recognized by law. It does this in two particulars: First, it makes obligatory upon the courts of this state the superior servant rule, which was first announced in this court in *Little Miami Railroad Co.* v. *Stevens,* 20 Ohio, 415, and which was afterwards approved and followed in a number of other cases in this and other states, although it has been repudiated in many others. Second, it creates by force of the statute a relation of superior and subordinate where none exists in fact, and brings it within the operation of the rule mentioned. The contention in this case is to bring the engineer and brakeman within the second particular; for it does not seem to be seriously contended that the brakeman was actually under the direction or control of the engineer. There is in evidence a rule of the railway company which contains this sentence: "When there is no conductor, or he is disabled, the engineman will have charge of the train, and will be governed by the rules prescribed for conductors." But there was a conductor on this train, and he was not

disabled. Shall we assume that the mere breaking of a link or a coupling pin dethroned him, and delegated from the master to the engineer authority to control the brakeman? The rules which are in evidence disclose no such provision, and we discover no foundation in fact or in reason, for making such an assumption. Upon cogent reasoning this court held in *Railway Co.* v. *Ranney,* 37 Ohio St., 665, that the relation of superior and subordinate, as between an engineer and a brakeman, is not created by a rule which requires the engineer to give certain signals, and which also requires brakemen to work the brakes in response to the signals. And much less could such a relation be implied from, or created by, the brakeman signalling to the engineer the information that the train had parted, and by the answering signal of the engineer.

It is conceded that the fireman is subordinate to the engineer; but in order that this case may be controlled by the last clause of section 3365-22, Revised Statutes, it is necessary that the engineer and the brakeman should be in different branches or departments of service. Whatever may be the exact definition of the words "branch or department," as used in the statute, it seems clear to us that the engineer and the brakeman were associated in a common employment and in the same branch or department, viz.:that of operating the same train of cars. It does not appear that as between them there was any relation of superior and subordinate, either in fact or in law. Therefore, if there was negligence on the part of the engineer which produced the injury complained of, it was the negligence of a fellow-servant. It follows that the plaintiff has neither alleged nor proven a cause of action against the defendant.

It is insisted by counsel that this conclusion involves an injustice to somebody. For example, if we may suppose that the same act of negligence by the engineer, which caused the injury to the plaintiff, also caused an injury to another brakeman on another train; yet the latter may recover under *Railway Co.* v. *Margrat,* while the former may not. This is true, and assuming that *Railway Co.* v. *Margrat* correctly construes the statute, the result is attributable to the statute itself. While attempting to modify the common law, it has not entirely abrogated it.

The court of common pleas erred in refusing to direct a verdict for the defendant below, and also erred in the charge. The judgment of the circuit court affirming that of the court of common pleas, and the judgment of the court of common pleas are both

Reversed and judgment rendered for plaintiff in error.

SHAUCK, PRICE, CREW and SUMMERS, JJ., concur.

PART II.

Manufactures.

MANUFACTURES.

STATE SUMMARY.

Giving totals and averages for 1903 compared with 1902.

Classification.	1902.	1903.	Increase.	Decrease
Number of establishments reporting..	5,865	7,961	2,096	.....
Number of males employed (monthly average).....	267,025	290,217	23,192	.....
Number of females employed (monthly average).....	46,409	53,642	7,233	.....
Number of superintendents, salesmen and office help (monthly average)..	28,615	31,603	2,988	.....
Capital invested in grounds, buildings and machinery.....	$364,609,905 00	$385,895,325 00	$21,285,420 00	.....
Value of goods produced or manufactured.....	714,822,131 22	759,039,559 25	44,217,428,03	.....
Amount paid for rent, taxes and insurance.....	10,084,214 36	11,537,537 90	1,453,323 54	.....
Amount paid in wages.....	156,572,176 98	172,485,277 69	15,913,100 71	.....
Amount paid superintendents, salesmen and office help.....	29,282,045 04	33,844,195 32	4,562,150 28	.....
Number affected by advance in wages	96,257	62,537	.....	33,720
Number affected by reduction in wages.....	895	4,267	3,372	.....
Average per cent. advance in wages...	9.1	7.9	.....	1.2
Average per cent. reduction in wages..	6.6	6.5	.....	0.1

THE DIVISIONS.

CLEVELAND.

Classification.	1902	1903.	Increase.	Decrease
Number of establishments reporting..	896	930	34	.....
Number of males employed (monthly average).....	46,828	56,544	9,716	.....
Number of females employed (monthly average.....	8,465	9,213	748	.....
Number of superintendents, salesmen and office help (monthly average)..	5,456	5,891	435	.....
Capital invested in grounds, buildings and machinery.....	$ 66,661,757 00	$ 75,847,548 00	$ 9,185,791 00	.....
Value of goods produced or manufactured.....	111,855,763 06	129,495,904 05	17 640,140 99	.....
Amount paid for rent, taxes and insurance.....	2,196,378 69	2,442,735 90	246,357 21	.....
Amount paid in wages.....	27,623,395 57	35,261,744 73	7,638,349 16	.....
Amount paid superintendents, salesmen and office help.....	5,663,643 60	6,118,815 48	455,171 88	.....
Number affected by advance in wages	16,109	12,655	.....	3,454
Number affected by reduction in wages.....	63	503	440	.....
Average per cent. advance in wages..	9.6	7.2	.....	2.4
Average per cent. reduction in wages..	8.2	12.	3.8	.....

COLUMBUS.

Classification.	1902.	1903.	Increase.	Decrease
Number of establishments reporting..	377	394	17	.....
Number of males employed (monthly average).....	11,499	13,671	2,172	.....
Number of females employed (monthly average).....	3,120	3,238	118	.....
Number superintendents, salesmen and office help (monthly average)..	2,072	2,305	233	.....
Capital invested in grounds, buildings and machinery.....	$13,774,542 00	$17,713,739 00	$3,939,197 00	.....
Value of goods produced or manufactured.....	32,193,160 30	39,171,950 85	6,978,790 55	.....
Amount paid for rent, taxes and insurance.....	546,908 93	629,940 25	83,031 32	.....
Amount paid in wages.....	6,841,564 77	8,137,655 01	1,296,090 24	.....
Amount paid superintendents, salesmen and office help.....	2,399,540 28	2,642,249 64	242,709 36	.....
Number affected by advance in wages	4,831	3,541	.....	1,290
Number affected by reduction in wages.....	6	20	14	.....
Average per cent. advance in wages..	9	5.6	.....	3.4
Average per cent. reduction in wages..	8.5	7.1	.....	1.4

CINCINNATI.

Classification.	1902.	1903.	Increase.	Decrease
Number of establishments reporting..	1,141	1,214	73	.....
Number of males employed (monthly average).....	42,657	44,926	2,269	.....
Number of females employed (monthly average).....	13,311	15,053	1,742	.....
Number of superintendents, salesmen and office help (monthly average)..	6,586	6,970	384	.....
Capital invested in grounds, buildings and machinery.....	$ 84,750,990 00	$ 86,200,998 00	$ 1,450,008 00	.....
Value of goods produced or manufactured.....	139,821,278 54	150,901,290 34	11,080,011 80	.....
Amount paid for rent, taxes and insurance.....	2,653,542 07	2,963,625 90	310,083 83	.....
Amount paid in wages.....	25,654,898 06	28,300,555 66	2,645,657 60	.....
Amount paid superintendents, salesmen and office help.....	6,967,239 60	7,397,011 20	429,771 60	.....
Number affected by advance in wages	11,521	8,465	.....	3,056
Number affected by reduction in wages.....	.....	90	90	.....
Average per cent. advance in wages..	8.9	9.4	.5	.....
Average per cent. reduction in wages.	.....	10.0	10.0	.....

DAYTON.

Classification.	1902.	1903.	Increase.	Decrease
Number of establishments reporting..	243	255	12	.....
Number of males employed (monthly average).....	12,948	14,477	1,529	.....
Number of females employed (monthly average).....	2,308	2,545	237	.....
Number superintendents, salesmen and office help (monthly average)..	1,529	2,015	486	.....
Capital invested in grounds, buildings and machinery.....	$ 14,424,588 00	$ 16,607,002 00	$ 2,182,414 00	.....
Value of goods produced or manufactured.....	36,929,000 67	39,461,168 56	2,532,167 89	.....
Amount paid for rent, taxes and insurance.....	464,792 51	498,345 82	33,553 31	.....
Amount paid in wages.....	8,062,622 64	9,401,936 34	1,339,313 70	.....
Amount paid superintendents, salesmen and office help.....	1,544,279 16	3,312,104 40	1,767,825 24	.....
Number affected by advance in wages	2,846	4,403	1,557	.....
Number affected by reduction in wages.....	2	411	409	.....
Average per cent. advance in wages...	8.6	7.2	.....	1.4
Average per cent. reduction in wages..	3	4.5	1.5	.....

TOLEDO.

Classification.	1902.	1903	Increase.	Decrease
Number of establishments reporting..	281	324	43	.....
Number of males employed (monthly average).....	11,068	12,659	1,591	.....
Number of females employed (monthly average).....	1,809	2,084	275	.....
Number superintendents, salesmen and office help (monthly average)..	1,246	1,393	147	.....
Capital invested in grounds, buildings and machinery.....	$11,804,922 00	$15,096,647 00	$3,291,725 00	.....
Value of goods produced or manufactured.....	26,815,226 18	33,038,883 47	6,223,657 29	.....
Amount paid for rent, taxes and insurance.....	633,912 94	743,579 17	109,666 23	.....
Amount paid in wages.....	6,092,486 32	7,484,519 48	1,392,033 16	.....
Amount paid superintendents, salesmen and office help.....	1,242,875 64	1,383,486 00	140,610 36	.....
Number affected by advance in wages	4,147	4,381	234	.....
Number affected by reduction in wages.....	55	48	.....	7
Average per cent. advance in wages...	8.7	6.6	.....	2.1
Average per cent. reduction in wages..	9.3	10.3	1	.....

CITIES.

Classification.	1902	1903	Increase.	Decrease
Number of establishments reporting..	1,976	2,810	834	.....
Number of males employed (monthly average).....	80,108	113,336	33,228	.....
Number of females employed (monthly average).....	14,617	17,286	2,669	.....
Number superintendents, salesmen and office help (monthly average)..	8,128	9,904	1,776	.....
Capital invested in grounds, buildings and machinery.....	$102,297,849 00	$137,963,187 00	$35,665,338 00	.....
Value of goods produced or manufactured.....	190,095,597 02	293,003,190 11	102,907,593 09	.....
Amount paid for rent, taxes and insurance.....	2,324,395 44	3,254,221 92	929,826 48	.....
Amount paid in wages.....	46,180,077 29	66,296,336 25	20,116,258 96	....
Amount paid superintendent, salesmen and office help.....	8,016,179 76	10,172,451 48	2,156,271 72	.....
Number affected by advance in wages	28,698	21,065	.....	7 633
Number affected by reduction in wages.....	95	2,135	2,040	.....
Average per cent. advance in wages...	9.7	7.7	.....	[illegible]
Average per cent. reduction in wages	12.5	4.5	.....	[illegible]

VILLAGES.

Classification.	1902	1903	Increase.	Decrease
Number of establishments reporting..	861	2,034	1,173	.....
Number of males employed (monthly average).....	24,300	34,602	10,302	.....
Number of females employed (monthly average).....	2,583	4,223	1,640	.....
Number superintendents, salesmen and office help (monthly average).	2,242	3,125	883	.....
Capital invested in grounds, buildings and machinery.....	$31,266,348 00	36,466,204 00	$5,199,856 00	.....
Value of goods produced or manufactured.....	53,183,323 74	73,967,171 87	20,783,848 13	.....
Amount paid for rent taxes and insurance.....	655,236 28	1,005,088 94	349,852 66	.....
Amount paid in wages.....	11,169,077 52	17,602,530 22	6,433,452 70	.....
Amount paid superintendents, salesmen and office help.....	1,953,885 48	2,818,077 12	864,191 64	.....
Number affected by advance in wages	11,041	8,027	.....	3,014
Number affected by reduction in wages.....	313	1,060	747	.....
Average per cent. advance in wages..	8.5	9.9	1.4	.....
Average per cent. reduction in wages .	8.3	8.2	.....	0.1

MANUFACTURES.

On January 1st, 1904, the following blank was mailed to the various manufacturers and producers of the State.

INDUSTRIAL AND WAGE SCHEDULE FOR 1903.

NOTE—Separate reports are required to be made for each plant operated during any part of the calendar year.

1. Name of firm, company or corporation.....
2. Where located, county of.....
3. Post Office address.....
4. Class of goods produced or manufactured.....

.....

5. Capital invested in grounds, buildings and machinery..... $.....
6. Total Value of goods produced or manufactured..... $.....
   (Note—Estimating value of goods on hand at current prices.)
7. Amount paid for rent, taxes and insurance..... $.....
8. Total amount paid in wages..... $.....
   (Note—Exclusive of salaried officials and office help.)
9. Total number of days in operation.....
   (Note—Compute fractional parts of days to make whole days.)

10. OFFICE HELP.

Give total amount paid in Salary for each class per month	Number Employed.	Total Amount Paid Per Month.	
Superintendents.....	.....	.....	.....
Salesmen.....	.....	.....	.....
Bookkeepers.....	.....	.....	.....
Clerks.....	.....	.....	.....
Stenographers.....	.....	.....	.....

11. Give number of persons employed exclusive of salaried officials and office help for each month during the year 1903.

		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1903	Males.....	....	....	....	....	....	....	....	....	....	....	....	.....
	Females	....	....	....	....	....	....	....	....	....	....	....	.....

12. Give below the number of employes in each separate occupation or branch of work, naming the occupation or trade, with the average daily wages and the average hours of labor per day, and also state whether there has been an advance or reduction in wages during 1903, and how much per cent. Do not include salaried officials or office help.

INCLUDE ALL EMPLOYES OVER 14 YEARS OF AGE

Occupations.	Number Employed.		Average Daily Wages.		Hours of Daily Labor.		Change in wages in per cent. for year ending Dec. 31, 1903			
							Advanced.		Reduced.	
	Males.	Females.	Males.	Females.	Males.	Females	Males.	Females.	Males.	Females.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
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LAWS GOVERNING THE COLLECTION OF STATISTICS.

Sec. 308. The commissioner shall have an office in the state house which shall be a bureau of labor statistics, and he shall collect, arrange and systematize all statistics relating to the industrial, social, educational and sanitary conditions of the laboring classes, and to the productive industries of the state, including the names of firms, companies, or corporations, where located, capital invested in grounds, buildings and machinery; class and value of goods produced or manufactured; number of days in operation; amount paid yearly for rent, taxes and insurance; amount paid in wages; number of employes, male and female; number engaged in clerical work and manual labor, with detailed classification of the number and sex engaged in each class or occupation, and the average daily wages paid to each. Said commissioner is authorized to appoint special agents to represent the bureau with authority to visit the delinquent firms and collect such statistics, and perform such other duties as may be required, with like power as is conferred by law upon said commissioner. * * * *

Sec. 309. The commissioner shall have power to send for persons and papers, to examine witnesses under oath, to take depositions, to cause them to be taken by others by law authorized to take depositions; and said commissioner may deputize any uninterested person to serve subpoenas upon witnesses, who shall be summoned in the same manner and paid the same fees as witnesses before a county court, but for this purpose persons are not required to leave the vicinity of their residence or place of business; and any person or owner, operator, manager or lessee of any mine, factory, workshop, warehouse, elevator, foundry, machine shop, manufacturing or other industrial establishment, or any agent or employe of such owner, operator, manager or lessee who shall refuse said commissioner admission therein for the purpose of inspection, or who shall, when requested by him, willfully neglect or refuse to furnish to him any statistics or other information relative to his lawful duties which may be in their possession or under their control, or who shall willfully neglect or refuse, for thirty days, to answer questions by circular or upon personal application, or who shall knowingly answer any such questions untruthfully, or who shall refuse to obey the subpoenas and give testimony according to the provisions of this act shall, for every such willful neglect or refusal, be deemed guilty of a misdemeanor,

and upon conviction thereof shall be punished by a fine of not less than fifty nor more than five hundred dollars.

Sec. 310. The commissioner shall make an annual report to the geneal assembly of the work done by the bureau. Said report shall be so compiled so as not to expose, without a written consent, the name or private affairs of any person, firm, company or corporation that has furnished such information as the bureau requires.

Note. As the time for the preparation of the annual report of the bureau of labor Statistics is limited by statute, all persons receiving this schedule are cautioned against delay beyond the time allowed by the above law, and also against the making of partial reports. All partial or incomplete reports will be returned for correction.

REMARKS.....

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TABLE I.

GIVING BY INDUSTRIES THE NUMBER OF ESTABLISHMENTS REPORTED, CAPITAL INVESTED IN GROUNDS, BUILDINGS AND MACHINERY, TOTAL VALUE OF GOODS PRODUCED OR MANUFACTURED, AND AMOUNT PAID FOR RENT, TAXES AND INSURANCE FOR THE YEAR 1903.

TABLE Ia—MANUFACTURES—CLEVELAND.

Industries.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs	2	$300	$34,500 00	$1,450 00
Awnings, tents and flags	4	107,449	275,500 00	4,678 50
Bags (paper and burlap)	4	491,504	1,864,830 12	11,690 41
Bicycles, bicycle sundries and automobiles	11	1,146,738	2,492,496 15	43,576 38
Billiard tables, bar and store fixtures	4	59,000	191,000 00	6,525 00
Boilers, engines and tanks	11	2,033,350	2,078 758 99	37,915 06
Boots and shoes	3	26,427	719,715 99	6,948 50
Boxes (paper)	4	289,000	359,942 25	7,092 00
Boxes (wooden)	14	200,992	963 ,096 59	25,388 53
Bread and other bakery products	19	937,735	1,655,946 36	24,910 71
Brick and tile	14	791,000	712,108 50	9,338 82
Brooms and brushes	5	43,600	197 760 00	4,560 00
Buttons (pearl)	2	14,100	42,000 00	2,360 00
Carriages and wagons	27	354,744	587,549 11	26,222 45
Carriage and wagon materials	2	50,700	99,035 61	1,550 25
Chewing gum	2	58,803	1,300,974 69	2,300 00
Cigars	41	98,101	883,049 05	29,415 15
Clothing	166	521,867	9,590,043 88	251,832 21
Coffee, baking powder and spices	2	13,611	47,420 00	4,509 40
Coffins and burial cases	2	140,000	315,000 00	4,875 00
Confectionery	9	226,075	928,800 00	39,396 00
Cooperage	5	265,339	542,620 00	7,193 15
Copper and brass goods	18	710,150	1,501,768 80	36,411 90
Cotton and woolen goods (knit and woven)	9	1,508,984	3,254,887 06	46,937 61
Dairy products	3	48,300	356,500 00	9,020 00
Drugs, chemicles and druggists sundries	14	783,183	1,187,301 50	50,479 04
Electrical goods and supplies	26	5,648,146	4,679,686 25	105,281 06
Elevators and hoisting machinery	2	54,000	159,583 00	4,410 00
Extracts, toilet articles and perfumery	3	21,884	92,924 08	5,413 76
Fertilizers	3	322,639	549,037 88	8,400 32
Flouring mill products	3	137,569	733,000 00	8,151 73
Foundry and machine shop products	67	6,488,819	17,576,181 59	197,306 59
Furniture	13	195,770	425,194 22	17,611 08
Gas and electricity	3	9,158,660	2,887,164 26	213,485 77
Glass and glassware	3	52,316	159,845 55	4,622 50
Gun powder and other explosives	2	500,000	415,500 00	8,150 00
Hardware	14	1,624,988	2,830,302 67	37,944 15
Harness and saddlery	10	8,300	51,904 90	4,994 63
Hats, caps and furnishings	7	44,475	312,672 00	10,750 00
Ice (artificial)	4	1,266,000	182,538 74	22,246 86
Inks	2	13,000	102,000 00	3,500 00
Iron (structural and architectural)	13	982,054	2,772,928 53	38,683 23
Jewelry and watches	3	4,300	39,200 00	1,325 00
Leather and leather goods	4	98,335	357,632 68	6,910 27
Lime, sand, cement and plaster	2	25,000	51,500 00	3,377 40
Liquors (malt)	9	9,086,000	3,910,075 00	79,431 80
Lithographing, engraving and electrotyping	9	208,225	358,591 24	12,022 28
Macaroni	3	67,000	139,500 00	2,400 00
Machinery	44	6,043,747	11,349,559 55	127,556 62
Marble and granite	8	121,100	285,760 00	6,400 80
Mattresses and pillows	3	24,000	244,305 57	4,089 48
Mouldings and frames	4	270,000	550,000 00	15,423 00
Oil and grease	8	3,631,651	5,973,551 09	77,310 78
Paints and varnishes	16	1,363,380	3,553,762 99	50,922 62
Patterns and models	3	63,550	95,273 89	4,952 46
Pianos and other musical instruments	2	34,500	94,500 00	1,130 26
Plating	2	5,400	21,500 00	1,750 00
Plumbing, steam and gas fitting supplies	11	272,316	744,900 41	19,116 62
Printing and binding	52	1,794,935	2,339,129 11	95,710 09
Pumps and water-wheels	2	10,000	18,144 73	722 00
Roofing (iron, steel and tin)	4	12,800	100,614 53	2,689 70
Rubber goods	3	5,650	44,664 45	1,932 00
Rugs and carpet cleaning	2	24,687	50,000 00	2,437 00
Salt	2	1,118,400	451,017 51	14,239 92
Sash, doors, lumber and interior finish	23	675,998	4,346,149 00	109,975 92
Slaughtering and meat packing	8	638,221	5,444,050 00	13,518 00
Soap, candles and tallow	6	66,000	168,700 00	4,006 32
Soda and mineral waters	10	97,800	105,025 00	4,912 50
Steel, iron and tin	8	4,922,925	9,627,953 86	130,877 34
Stencils, stamps and seals	5	14,300	27,500 00	2,364 00
Stone (cut, sawed and artificial)	5	3,109,059	1,918,548 14	35,720 90
Stoves, ranges and furnaces	13	1,083,589	3,308,728 97	43,237 53
Tinware, sheet iron and galvanized ironware	18	535,481	1,186,721 66	30,429 01

TABLE I*a*—MANUFACTURES—CLEVELAND—Concluded.

Industries.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Tools	14	$992,677	$1,763,008 52	$27,211 32
Trunks and valises	6	8,400	143,500 00	13,425 00
Umbrellas and parasols	3	5,700	162,000 00	5,700 00
Wire rods, wire cloth and wire goods	14	1,167,600	1,361,020 00	56,616 29
Miscellaneous	29	805,150	3,046,747 83	45,363 92
Totals	930	$ 75,847,548	$129,495,904 05	$ 2,442,735 90

TABLE I*b*—MANUFACTURES—COLUMBUS.

Industries.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Awnings, tents and flags	4	$35,850	$52,500 00	$1,728 00
Bicycles, bicycle sundries and automobiles	5	30,000	119,090 00	8,290 00
Billiard tables, bar and store fixtures	5	103,850	269,626 00	7,132 00
Boilers, engines and tanks	6	218,899	304,736 91	9,731 69
Boots and Shoes	9	892,268	4,938,020 50	34,478 00
Boxes (paper)	2	31,000	126,153 00	4,511 05
Boxes (wooden)	5	18,300	128,300 00	2,215 00
Bread and other bakery products	8	211,502	852,432 21	15,241 73
Brick and tile	5	233,500	105,341 19	8,067 29
Brooms and brushes	3	2,150	25,025 00	502 00
Carriages and wagons	15	954,221	2,262,966 22	51,021 33
Carriage and wagon materials	7	121,200	528,000 00	6,330 00
Cigars	19	86,390	293,442 47	8,065 38
Clothing	46	70,660	741,978 00	43,797 90
Coffee, baking powder and spices	3	73,500	656,160 00	6,101 26
Confectionery	4	14,500	192,000 00	7,154 68
Copper and brass goods	2	18,000	50,000 00	700 00
Cotton and woolen goods (knit and woven)	2	38,783	96,200 00	2,124 00
Dairy products	3	59,500	332,104 10	4,883 48
Drugs, chemicals and druggists' sundries	8	532,595	3,143,326 00	20,549 21
Extracts, toilet articles and perfumery	2	.....	16,040 00	539 20
Flouring mill products	5	130,000	538,308 10	3,451 85
Foundry and machine shop products	22	1,366,412	3,650,653 75	32,623 15
Furniture	5	85,993	404,385 25	6,559 48
Furs	2	1,250	12,800 00	2,750 00
Gas and electricity	2	4,379,362	405,500 75	22,767 16
Glass and glassware	3	125,000	635,000 00	4,906 00
Gloves and mittens	3	14,900	112,000 75	2,945 25
Harness and saddlery	8	109,300	277,870 00	25,166 56
Hats, caps and furnishings	5	3,125	62,500 00	3,854 50
Ice (artificial)	3	340,629	171,113 80	6,568 84
Iron (structural and architectural)	4	50,500	346,432 88	2,311 85
Jewelry and watches	3	26,600	35,000 00	775 00
Leather and leather goods	2	93,000	250,000 00	5,700 00
Lighting apparatuses	5	95,643	196,000 00	3,640 00
Lime, sand, cement and plaster	7	93,763	186,817 90	2,637 29
Liquors (malt)	4	1,250,000	2,085,378 62	72,706 84
Lithographing, engraving and electrotyping	5	39,250	185,231 78	4,401 70
Machinery	8	1,888,731	3,288,379 46	31,562 48
Paints and varnishes	4	78,723	325,000 00	5,064 00
Printing and binding	29	330,161	778,547 51	30,253 54
Roofing (iron, steel and tin)	5	11,200	138,000 00	2,035 00
Rugs and carpet cleaning	4	7,500	40,488 12	1,630 00
Sash, doors, lumber and interior finish	13	144,700	546,252 57	16,966 29
Slaughtering and meat packing	2	2,900	9,000 00	1,235 00
Soap, candles and tallow	3	35,000	95,000 00	1,924 00
Soda and mineral waters	2	48,107	30,397 68	982 46
Starch	2	60,275	132,460 00	1,459 00
Steel, iron and tin	4	1,595,238	4,036,695 28	18,929 85
Stone (cut, sawed and artificial)	2	10,500	100,000 00	975 00
Stoves, ranges and furnaces	10	242,845	497,646 40	11,612 34
Tinware, sheet-iron and galvanized ironware	10	113,144	429,457 84	8,043 50
Tools	6	154,895	240,731 17	5,078 73
Trunks and valises	3	15,500	77,200 00	6,700 00
Wire rods, wire cloth and wire goods	4	71,757	232,924 06	1,943 38
Miscellaneous	32	951,168	3,385,335 58	36,617 01
Totals	394	$17,713,739	$39,171,950 85	$629,940 25

TABLE Ic—MANUFACTURES—CINCINNATI.

Industries.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs	3	$75,200	$147,500 00	$3,220 00
Awnings, tents and flags	7	149,761	307,910 16	9,750 56
Bags (paper and burlap)	5	120,000	398,134 97	13,805 00
Bicycles, bicycle sundries and automobiles	2	1,300	22,000 00	2,165 00
Billiard tables, bar and store fixtures	11	202,400	999,806 82	33,826 75
Boilers, engines and tanks	9	391,504	1,194,238 58	17,230 16
Boots and shoes	27	2,149,582	10,037,539 59	155,478 68
Boxes (paper)	7	72,800	361,518 11	16,905 00
Boxes (wooden)	11	251,988	725,414 08	13,454 34
Bread and other bakery products	26	573,588	3,727,191 89	61,737 72
Brick and tile	9	71,440	136,947 68	4,548 42
Brooms and brushes	9	30,000	142,450 00	6,661 00
Bungs	3	176,000	268,000 00	7,805 00
Carriages and wagons	51	928,360	5,079,064 49	106,443 71
Carriage and wagon materials	16	289,874	969,405 65	22,208 68
Cigars	57	487,251	3,035,175 08	58,675 34
Clothing	187	2,377,513	15,115,134 17	361,586 52
Coffee, baking powder and spices	8	98,452	1,075,539 48	15,204 34
Coffins and burial cases	4	637,500	1,128,500 00	17,549 00
Confectionery	14	238,955	1,075,712 00	29,752 00
Cooperage	10	837,110	1,033,073 63	16,941 70
Copper and brass goods	21	759,068	1,722,234 51	33,560 84
Cotton and woolen goods (knit and woven)	8	471,020	711,315 52	15,912 41
Drugs, chemicals and druggists' sundries	20	345,162	1,485,955 11	19,600 09
Electrical goods and supplies	12	175,475	2,787,222 70	28,384 56
Elevators and hoisting machinery	5	215,550	409,350 28	6,219 40
Extracts, toilet articles and perfumery	5	50,300	242,565 00	3,536 00
Fertilizers	2	245,478	493,885 73	6,058 71
Flouring mill products	2	97,382	460,391 93	4,346 23
Foundry and machine shop products	28	1,344,630	3,360,443 96	58,693 08
Furniture	47	2,207,081	3,680,272 98	117,490 09
Glass and glassware	6	192,200	840,000 00	9,800 00
Hardware	4	174,520	403,576 35	12,412 56
Harness and saddlery	11	228,795	995,880 00	16,503 00
Hats, caps and furnishings	14	112,399	949,952 90	19,884 62
Ice (artificial)	6	836,586	170,554 00	14,103 24
Inks	3	490,000	1,005,000 00	8,889 45
Iron (structural and architectural)	8	406,352	1,528,367 60	33,319 34
Jewelry and watches	14	132,950	432,265 03	16,596 77
Leather and leather goods	14	1,256,618	3,622,926 93	52,444 96
Liquors (distilled)	15	1,221,540	7,706,647 41	158,110 90
Liquors (malt)	21	8,144,350	6,608,160 00	131,648 58
Lithographing, engraving and electrotyping	20	1,190,940	1,585,240 44	54,695 21
Machinery	57	2,483,568	4,777,236 91	120,907 30
Malt	3	301,000,000	550,812 00	22,201 00
Marble and granite	6	125,385	312,500 00	4,391 00
Mattresses and pillows	6	147,475	429,751 00	10,863 90
Mouldings and frames	9	290,900	672,492 71	46,701 00
Oil cloth and window shade cloth	2	85,300	231,000 00	7,630 00
Oil and grease	8	897,000	1,728,363 00	22,440 00
Paints and varnishes	14	1,023,058	3,191,000 36	49,979 32
Patterns and models	8	11,975	80,402 26	5,546 50
Pianos and other musical instruments	3	83,042	879,093 96	19,730 58
Pickles, preserves and sauces	6	210,838	1,379,018 94	42,358 13
Plating	2	166,000	354,082 82	3,577 06
Plumbing, steam and gas fitting supplies	6	674,197	1,168,000 00	13,114 24
Pottery and stoneware	2	58,500	69,300 00	2,923 65
Printing and binding	88	5,592,259	4,861,466 57	178,106 63
Printers' rollers	2	7,050	23,300 00	1,250 00
Pumps and water wheels	4	36,500	1,107,157 07	11,574 46
Regalia	8	68,489	422,469 83	14,425 00
Roofing (iron, steel and tin)	7	41,280	262,674 00	4,422 00
Safes, vaults and locks	6	336,122	1,097,554 18	20,018 78
Sash, doors, lumber and interior finish	23	768,713	2,478,307 97	46,655 52
Slaughtering and meat packing	17	914,423	9,053,557 81	56,037 42
Soap, candles and tallow	18	7,795,452	12,853,122 04	90,091 28
Soda and mineral waters	12	118,450	139,166 00	3,112 00
Stencils, stamps and seals	5	45,200	75,000 00	6,070 00
Stone (cut, sawed and artificial)	4	82,500	217,675 00	3,985 25
Stoves, ranges and furnaces	13	596,000	1,460,159 54	58,043 88
Tinware, sheet iron and galvanized ironware	22	375,476	1,334,771 78	29,148 86
Tobacco (chewing and smoking.)	5	150,513	1,203,903 21	9,353 80

TABLE I*c*—MANUFACTURES—CINCINNATI—Concluded.

Industries.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Tools	34	$2,180,683	$4,011,449 66	$78,078 96
Trunks and valises	7	25,275	177,300 00	11,225 00
Wire rods, wire cloth and wire goods	4	58,500	456,000 00	8,955 00
Miscellaneous	41	29,990,901	5,660,736 96	163,549 42
Totals	1,214	$86,200,998	$150,901,290 34	$2,963,625 90

TABLE I*d*—MANUFACTURES—DAYTON.

Industries.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs	2	$85,538	$148,505 82	$1,613 63
Agricultural implements	4	785,765	896,227 00	17 327 26
Awnings, tents and flags	3	7,000	34,666 65	1,756 00
Boilers, engines and tanks	6	1,110,030	1,322,082 93	11,879 85
Boxes (paper)	5	298,950	844,009 44	19,366 85
Boxes (wooden)	4	67,969	499,539 48	5,354 86
Bread and other bakery products	6	81.000	378,350 00	11.035 00
Brick and tile	5	31,000	58,240 00	1,822 00
Brooms and brushes	3	5,300	44,100 00	1,440 00
Carriages and wagons	9	123,750	263,627 00	7,200 20
Carriage and wagon materials	3	203,554	321,908 00	5,876 46
Cigars	20	84,641	869,762 30	17,961 87
Clothing	23	65,943	547,739 53	19,729 90
Coffee, baking powder and spices	3	75,000	480,500 00	9,476 00
Confectionery	2	3,500	20 ,000 00	185 00
Dairy products	2	81,814	132,795 90	1,130 73
Drugs, chemicles and druggists sundries	2	3,750	24,500 00	3,370 00
Electrical goods and supplies	4	75,170	210,092 93	5,800 16
Extracts, toilet articles and perfumery	2	11,400	165,000 00	2,780 00
Flouring mill products	4	143,000	664,337 76	6,649 52
Foundry and machine shop products	20	3,888,984	17,279,517 31	107,306 56
Furniture	6	572,186	676,503 37	18,935 60
Glass and glassware	2	1,100	13,392 00	723 00
Harness and saddlery	2	20,600	13,500 00	1,356 50
Iron (structural and architectural)	2	50,000	50,000 00	670 00
Liquors (malt)	7	2,603,094	1,040,288 91	30,824 52
Machinery	12	1,985,145	4,768,321 32	46,226 57
Mattresses and pillows	2	8,500	50,000 00	640 00
Paints and varnishes	4	222,543	718,658 89	9,318 65
Patterns and models	2	11,000	15,680 19	460 00
Printing and binding	20	576,002	854,852 32	26,519 52
Sash doors, lumber and interior finish	5	196,000	955,000 00	13,608 79
Slaughtering and meat packing	2	247,000	881,152 75	4 533 62
Soap, candles and tallow	6	86,300	1,034,396 81	8,011 28
Soda and mineral waters	3	14,650	27,400 00	2,702 31
Stoves, ranges and furnaces	4	272,571	329,599 64	7,051 12
Straw boards and paper	5	431,911	618,183 78	13,385 64
Tinware, sheet-iron and galvanized iron-ware	3	40,000	100,648 00	3,550 00
Tobacco (chewing and smoking)	4	88,500	227,448 00	8,345 71
Tools	5	56,144	78 ,461 67	2,874 75
Miscellaneous	27	1,890,698	1,802 ,178 86	39,546 39
Totals	255	$16,607,002	$39,461,168 56	$498,345 82

TABLE I*e*—MANUFACTURES—TOLEDO.

Industries.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Agricultural implements	2	$150,000	$83,794 49	$1,925 45
Awnings, tents and flags	3	175,500	188,000 00	27,750 00
Bath cabinets	2	16,000	66,000 00	1,550 00
Bicycles, bicycle sundries and automobiles	5	1,115,800	2,308,000 00	28,508 52
Billiard tables, bar and store fixtures	2	335,000	280,000 00	11,475 51
Boilers, engines and tanks	6	1,451,384	1,333,789 63	14,254 75
Boxes (paper)	3	30,000	26,400 00	3,294 50
Boxes (wooden)	4	40,300	135,258 78	3,719 91
Bread and other bakery products	10	126,800	530,269 00	7,942 68
Brick and tile	10	328,326	298,802 53	7,329 75
Brooms and brushes	6	137,764	283,851 00	9,491 48
Carriages and wagons	11	295,614	965,303 70	29,046 04
Carriage and wagon materials	5	221,965	482,315 00	10,927 30
Chewing gum	2	12,000	37,000 00	1,116 00
Cigars	14	25,600	98,925 00	2,748 50
Clothing	37	245,716	1,589,937 13	34,233 91
Coffee, baking powder and spices	2	180,000	1,080,000 00	23,900 00
Cooperage	3	39,000	73,764 06	1,267 30
Copper and brass goods	2	2,250	29,650 00	1,570 00
Cotton and woolen goods (knit and woven)	3	53,000	255,000 00	7,550 00
Drugs, chemicals and druggists' sundries	7	32,983	212,149 41	3,407 50
Electrical goods and supplies	4	46,844	249,373 96	8,193 74
Extracts, toilet articles and perfumery	3	900	30,800 00	1,640 00
Flouring mill products	9	652,000	5,499,998 25	56,943 54
Foundry and machine shop products	17	1,027,431	2,961,599 19	33,689 69
Furniture	11	217,581	618,020 24	14,575 23
Gas and electricity	2	1,241,186	316,070 89	16,516 68
Glass and glassware	3	208,720	1,120,250 00	38,190 90
Harness and saddlery	2	25,100	41,000 00	1,775 00
Hats, caps and furnishings	2	900	19,500 00	548 00
Iron (structural and architectural)	2	178,000	1,505,000 00	5,623 60
Lime, sand, cement and plaster	4	49,085	158,683 29	5,689 66
Liquors (distilled)	2	125,000	140,000 00	4,300 00
Liquors (malt)	6	2,455,600	1,321,250 49	147,984 64
Machinery	11	452,386	1,008,916 24	25,041 67
Marble and granite	2	29,750	99,000 00	700 00
Mattresses and pillows	2	2,600	44,000 00	1,080 00
Oil and grease	4	372,531	2,013,443 40	15,153 02
Paints and varnishes	3	55,852	205,972 93	3,406 58
Pickles, preserves and sauces	2	28,500	129,413 00	1,078 50
Printing and binding	19	146,950	389,794 53	15,634 33
Pumps and water wheels	3	31,500	92,284 46	2,675 00
Sash, doors, lumber and interior finish	15	352,790	969,561 07	43,510 84
Soap, candles and tallow	2	50,000	117,822 80	836 20
Soad and mineral waters	3	65,600	79,969 64	4,086 00
Steel, iron and tin	3	1,460,000	1,035,903 42	12,631 80
Stencils, stamps and seals	3	200	11,400 00	1,020 00
Stone (cut, sawed and artificial)	3	99,941	150,567 31	3,229 02
Stoves, ranges and furnaces	2	34,000	57,123 88	1,990 00
Tinware, sheet-iron and galvanized iron-ware	13	181,734	938,400 10	14,583 83
Tools	3	17,500	21,000 00	1,082 00
Wire rods, wire cloth and wire goods	2	44,850	39,730 56	1,096 70
Miscellaneous	23	426,614	1,294,824 09	26,063 90
Totals	324	$15,096,647	$33,038,883 47	$743,579 17

TABLE If—MANUFACTURES—CITIES.

Industries.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs	9	$586,731	$1,203,500 00	$25,771 13
Agricultural implements	30	3,817,748	7,983,092 49	101,297 10
Awnings, tents and flags	3	1,731	18,500 00	779 00
Baskets	3	18,912	24,147 38	774 79
Bicycles, bicycle sundries and automobiles	9	379,581	885,846 73	9,832 72
Billiard tables, bar and store fixtures	5	10,000	153,095 00	3,432 63
Boilers, engines and tanks	71	8,371,349	15,002,404 01	165,479 20
Boots and shoes	19	834,976	7,785,269 62	45,696 81
Boxes (paper)	7	73,579	237,626 05	3,914 82
Boxes (wooden)	11	133,757	387,672 72	6,755 63
Bread and other bakery products	121	439,650	2,047,665 77	44,996 87
Brick and tile	108	5,312,462	5,020,005 22	75,934 36
Brooms and brushes	19	282,725	504,267 10	5,664 38
Canned goods	13	438,700	1,251,946 53	21,920 94
Carriages and wagons	115	1,949,771	4,278,683 33	81,048 59
Carriage and wagon materials	34	1,085,614	2,945,121 31	38,370 40
Cars and car furnishings	3	193,922	1,371,750 09	18,790 79
Chewing gum	4	26,256	169,168 42	1,749 50
Churns	3	4,600	9,860 00	330 00
Cigars	170	309,057	2,601,329 32	43,855 85
Clothing	223	464,316	3,095,413 91	87,063 67
Clothes wringers and washboards	3	27,000	7,106 70	555 00
Coffee, baking powder and spices	5	13,191	17,654 29	1,154 88
Coffins and burial cases	4	227,842	334,873 60	8,027 63
Confectionery	25	128,343	421,360 00	14,841 72
Cooperage	28	266,395	905,112 71	11,133 15
Copper and brass goods	10	300,237	969,400 00	14,496 48
Cordage and twine	3	434,935	2,031,210 73	16,998 35
Cotton and woolen goods (knit and woven)	19	1,073,268	1,506,174 67	24,479 44
Cutlery and edge tools	5	799,000	589,371 80	8,987 29
Dairy products	8	147,200	777,933 60	2,915 00
Dental and surgical chairs	3	106,800	268,309 95	3,111 17
Drugs, chemicals and druggists' sundries	33	204,895	735,484 27	10,924 98
Electrical goods and supplies	26	1,164,459	2,478,490 78	31,683 32
Elevators and hoisting machinery	2	11,460	6,750 00	305 00
Extracts, toilet articles and perfumery	7	177,100	267,579 06	5,243 86
Fertilizers	9	257,268	387,955 54	3,921 45
Fireworks	2	15,000	52,000 00	495 00
Flouring mill products	103	2,784,196	17,955,814 05	119,278 24
Foundry and machine shop products	110	4,904,128	8,749,216 99	83,834 77
Furniture	39	1,868,840	3,161,936 47	49,598 06
Gas and electricity	78	11,582,370	2,612,716 55	117,986 72
Glass works' supplies	4	159,778	271,168 49	4,917 71
Glass and glassware	24	1,980,172	4,654,032 53	45,007 07
Gloves and mittens	10	138,203	414,515 25	6,747 34
Gun powder and other explosives	7	354,717	933,537 00	11,189 36
Handles	10	177,500	315,364 39	7,075 86
Hardware	12	428,345	984,113 43	13,376 61
Harness and saddlery	16	147,084	942,208 60	13,822 26
Hats, caps and furnishings	3	6,850	330,000 00	1,800 00
Hollow ware	2	214,862	647,109 66	7,218 13
Ice (artificial)	31	1,186,323	877,653 22	24,122 80
Iron (structural and architectural)	16	1,169,385	3,764,316 11	31,342 14
Jewelry and watches	4	903,000	1,642,339 63	16,617 59
Leather and leather goods	11	410,427	1,318,683 37	15,156 57
Lighting apparatus	5	86,629	264,336 96	4,235 80
Lime, sand, cement and plaster	34	1,342,198	2,785,831 88	17,976 85
Liquors (distilled)	18	747,351	879,823 47	33,509 59
Liquors (malt)	48	4,348,107	3,503,761 09	111,300 82
Lithographing, engraving and electrotyping	6	81,000	127,090 10	2,657 00
Machinery	81	7,755,594	13,946,244 03	150,991 66
Malt	3	153,300	474,986 24	9,139 02
Marble and granite	21	87,865	281,006 33	4,464 21
Marbles	2	65,000	47,000 00	675 00
Matresses and pillows	11	80,980	512,441 00	2,791 20
Oil cloth and window shade cloth	2	600,000	1,027,014 98	7,453 41
Oil and grease	6	847,420	4,717,281 35	27,384 14
Paints and varnishes	12	136,100	577,091 22	7,076 11
Patterns and models	7	45,378	75,213 47	2,238 75
Pianos and other musical instruments	7	184,081	587,492 35	7,022 28
Pickles, preserves and sauces	5	73,000	94,000 00	2,024 99
Plating	6	14,650	22,000 00	1,402 00
Plumbing, steam and gas fitting supplies	11	476,244	945,777 45	13,001 52
Pottery and stoneware	54	5,964,718	7,679,725 34	82,095 38

TABLE I*f*—MANUFACTURES—CITIES—Concluded.

Industries	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Potters' supplies	7	$289,330	$330,442 16	$10,095 95
Printing and binding	262	4,853,726	5,585,535 98	150,520 49
Pumps and water wheels	11	495,123	908,794 87	15,805 18
Roofing (iron, steel and tin)	13	238,771	949,590 77	8,617 61
Rubber goods	16	3,479,510	9,586,962 77	83,565 27
Safes, vaults and locks	5	1,429,635	2,854,207 02	67,090 04
Sash, doors, lumber and interior finish	135	2,517,735	5,721,023 21	113,180 46
Slaughtering and meat packing	5	105,000	662,539 00	2,925 00
Soap, candles and tallow	12	101,000	245,214 27	3,699 92
Soda and mineral matters	50	259,233	345,085 57	10,030 56
Steel, iron and tin	59	30,291,064	82,262,779 30	449,192 19
Stencils, stamps and seals	3	4,200	6,200 00	378 45
Stone (cut, sawed and artificial)	7	296,794	254,121 90	3,090 05
Stoves, ranges and furnaces	40	2,051,463	4,431,489 05	64,362 94
Strawboards and paper	25	3,054,731	6,425,192 14	80,850 48
Sucker rods	2	18,500	125,000 00	1,747 00
Tinware, sheet iron, and galvanized iron-ware	44	1,441,225	4,274,771 01	57,783 99
Tobacco (chewing and smoking)	8	569,244	4,624,710 08	49,324 12
Tools	21	2,210,411	2,344,871 38	24,908 42
Umbrellas and parasols	2	19,000	166,000 00	1,050 00
Wire rods, wire cloth and wire goods	9	779,100	1,060,084 92	14,616 40
Miscellaneous	83	1,862,767	2,982,599 01	42,123 54
Totals	2,810	$137,963,187	$293,003,190 11	$3,254,221 92

TABLE I*g*—MANUFACTURES—VILLAGES.

Industries.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs	3	$48,613	$109,000 00	$995 00
Agricultural implements	18	663,257	1,713,044 94	22,590 52
Baskets	7	55,188	69,473 82	1,833 16
Bicycles, bicycle sundries and automobiles	4	165,097	181,293 24	3,209 59
Billiard tables, bar and store fixtures	7	80,600	209,446 00	9,107 09
Boilers, engines and tanks	17	819,640	1,804,824 65	15,587 16
Boots and shoes	3	59,274	152,373 29	1,550 59
Boxes (wooden)	9	74,200	62,296 84	1,516 42
Bread and other bakery products	72	111,440	254,493 58	10,084 14
Brick and tile	224	1,042,300	941,432 55	11,591 49
Brooms and brushes	10	29,497	90,218 12	1,271 00
Canned goods	21	203,641	344,826 71	6,808 63
Carriages and wagons	83	694,286	1,881,074 33	30,892 97
Carriage and wagon materials	18	581,763	1,100,999 03	15,504 79
Cars and car furnishings	2	311,987	631,819 22	6,700 81
Churns	2	30,000	84,775 00	194 67
Cigars	101	72,459	481,942 38	13,697 25
Clothing	85	57,328	654,039 00	16,944 77
Coffee, baking powder and spices	3	9,000	16,907 30	212 16
Confectionery	2	1,900	8,627 00	238 24
Cooperage	48	257,377	1,158,753 48	25,743 04
Cotton and woolen goods (knit and woven)	16	1,232,531	1,037,556 85	11,964 17
Dairy products	62	303,589	706,208 53	6,943 40
Drugs, chemicals and druggists' sundries	15	649,301	1,462,903 00	10,794 37
Electrical goods and supplies	8	409,821	591,043 16	11,528 02
Extracts, toilet articles and perfumery	2	100	1,850 00	130 00
Fireworks	2	32,358	181,687 07	3,046 04
Flouring mill products	255	2,533,985	7,856,879 64	102,448 43
Foundry and machine shop products	70	1,243,715	3,231,168 70	27,857 26
Furniture	36	711,840	1,460,172 24	21,490 03
Gas and electricity	101	2,897,145	525,884 33	26,083 31
Glass and glassware	6	2,148,680	1,833,230 64	48,000 21
Gloves and mittens	2	13,000	105,000 00	950 00
Handles	26	145,306	422,487 85	6,030 60
Hardware	4	156,752	310,724 41	3,531 34
Harness and saddlery	21	585,800	1,244,550 00	8,824 00
Ice (artificial)	11	145,600	92,737 00	4,733 94
Iron (structural and architectural)	3	93,500	193,000 00	2,861 60
Leather and leather goods	9	243,800	513,406 53	9,577 05
Lime, sand, cement and plaster	21	1,003,067	985,906 94	44,095 36
Liquors (distilled)	8	331,300	437,800 00	15,191 89
Liquors (malt)	10	346,000	227,530 00	5,883 69
Machinery	36	1,310,749	1,925,416 14	23,016 88
Marble and granite	17	74,344	209,228 00	2,830 36
Matches	2	1,120,000	1,254,223 18	13,651 50
Paints and varnishes	2	83,187	349,979 26	3,463 13
Pianos and other musical instruments	3	61,200	159,000 00	3,160 00
Pickles, preserves and sauces	6	46,313	123,018 05	1,583 26
Pottery and stoneware	33	1,185,600	2,030,005 23	33,154 13
Printing and binding	170	686,765	884,902 99	32,842 23
Pumps and water wheels	12	652,415	1,356,678 35	16,209 63
Rubber goods	5	233,332	594,268 86	3,690 48
Salt	6	404,160	435,408 09	7,623 33
Sash, doors, lumber and interior finish	161	1,488,457	3,064,654 98	57,640 11
Slaughtering and meat packing	2	38,633	229,781 11	1,053 55
Soda and mineral waters	11	22,650	32,653 25	1,423 00
Steel, iron and tin	20	5,190,786	17,392,229 88	123,520 44
Stone (cut, sawed and artificial)	11	295,824	231,342 76	7,670 32
Stoves, ranges and furnaces	7	155,500	354,287 64	4,025 58
Strawboards and papers	19	1,502,638	4,439,272 40	51,883 49
Tinware, sheet-iron and galvanized ironware	11	138,030	392,679 91	6,032 94
Tobacco (chewing and smoking)	3	11,000	8,000 00	1,010 00
Tools	5	91,000	198,000 00	2,404 96
Whips	3	73,600	154,379 04	3,454 39
Wire rods, wire cloth and wire goods	4	9,350	68,000 00	968 24
Miscellaneous	58	994,634	2,706,375 38	34,538 79
Totals	2,034	$36,466,204	$73,967,171 87	$1,005,088 94

TABLE I*h*—MANUFACTURES—STATE.

Industries.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Advertising novelties and signs	19	$796,382	$1,643,005 82	$33,049 76
Agricultural implements	54	5,416,770	10,676,158 92	143,140 33
Awnings, tents and flags	24	477,291	877,076 81	46,442 06
Bags (paper and burlap)	9	611,504	2,262,965 09	25,495 41
Baskets	10	74,100	93,621 20	2,607 95
Bath cabinets	2	16,000	66,000 00	1,550 00
Bicycles, bicycle sundries and automobiles	36	2,838,516	6,008,726 12	95,582 21
Billiard tables, bar and store fixtures	34	790,850	2,102,973 82	71,498 98
Boilers, engines and tanks	126	14,396,156	23,040,835 70	272,077 87
Boots and shoes	61	3,962,527	23,632,918 99	244,152 58
Boxes (paper)	28	795,329	1,955,648 85	55,084 22
Boxes (wooden)	58	787,506	2,901,578 49	58,404 69
Bread and other bakery products	262	2,481,715	9,446,348 81	175,948 85
Brick and tile	375	7,810 028	7,272,877 67	118,632 13
Brooms and brushes	55	531,036	1,287,671 22	29,589 86
Bungs	3	176,000	268,000 00	7,805 00
Buttons (pearl)	2	14,100	42,000 00	2,360 00
Canned goods	34	642,341	1,596,773 24	28,729 57
Carriages and wagons	311	5,300,746	15,318,268 18	331,875 29
Carriage and wagon materials	85	2,554,670	6,446,784 60	100,767 88
Cars and car furnishings	5	505,909	2,003,569 31	25,491 60
Chewing gum	8	97,059	1,507,143 11	5,165 50
Churns	5	34,600	94,635 00	524 67
Cigars	422	1,163,499	8,263,625 60	174,419 34
Clothing	767	3,803,343	31,334,285 62	815,188 88
Clothes wringers and washboards	3	27,000	7,106 70	555 00
Coffee, baking powder and spices	26	462,754	3,374,181 07	60,558 04
Coffins and burial cases	10	1,005,342	1,778,373 60	30,451 63
Confectionery	56	613,273	2,646,499 00	91,567 64
Cooperage	94	1,665 221	3,713,323 88	62,278 34
Copper and brass goods	53	1,789,705	4,273,053 31	86,739 22
Cordage and twine	3	434,935	2,031,210 73	16,998 35
Cotton and woolen goods (knit and woven)	57	4,377,586	6,861,134 10	108,967 63
Cutlery and edge tools	5	799,000	589,371 80	8,987 29
Dairy products	78	640,403	2,305,542 13	24,892 61
Dental and surgical chairs	3	106,800	268,309 95	3,111 17
Drugs, chemicals and druggists' sundries	99	2,551,869	8,251,619 29	119,125 19
Electrical goods and supplies	80	7,519,915	10,995,909 78	190,870 86
Elevators and hoisting machinery	9	281,010	575,683 28	10,934 40
Extracts, toilet articles and perfumery	24	261,684	816,758 14	19,282 82
Fertilizers	14	825,385	1,430,879 15	18,380 48
Fireworks	4	47,358	233,687 07	3,541 04
Flouring mill products	381	6,478,132	33,708,729 73	301,269 54
Foundry and machine shop products	334	20,264,119	56,808,781 49	541,311 10
Furniture	157	5,859,291	10,426,484 77	246,259 57
Furs	2	1,250	12,800 00	2,750 00
Gas and electricity	186	29,258,723	6,747,336 78	396,839 64
Glass works supplies	4	159,778	271,168 49	4,917 71
Glass and glassware	47	4,708,188	9,255,750 72	151,249 68
Gloves and mittens	15	166,103	631,516 00	10,642 59
Gunpowder and other explosives	9	854,717	1,349,037 00	19,339 36
Handles	36	322,806	737,852 24	13,106 46
Hardware	34	2,384,605	4,528,716 86	67,264 66
Harness and saddlery	70	1,124,979	3,566,913 50	72,441 95
Hats, caps and furnishings	31	167,749	1,674,624 90	36,837 12
Hollow ware	2	214,862	647,109 66	7,218 13
Ice (artificial)	55	3,775,138	1,494,596 76	71,775 68
Inks	5	503,000	1,107,000 00	12,389 45
Iron (structural and architectural)	48	2,929,791	10,160,045 12	114,811 76
Jewelry and watches	24	1,066,850	2,148,804 66	35,314 36
Leather and leather goods	40	2,102,180	6,062,649 51	89,788 85
Lighting apparatus	10	182,272	460,336 96	7,875 80
Lime, sand, cement and plaster	68	2,513,113	4,168,740 01	73,776 56
Liquors (distilled)	43	2,425,191	9,164,270 88	211,112 38
Liquors (malt)	105	28,233,151	18,696,444 11	579,780 89
Lithographing, engraving and electrotyping	40	1,519,415	2,256,153 56	73,776 19
Macaroni	3	67,000	139,500 00	2,400 00
Machinery	249	21,919,920	41,064,073 65	525,303 18
Malt	6	454,300	1,025,798 24	31,340 02
Marble and granite	54	438,444	1,187,494 33	18,786 37
Marbles	2	65,000	47,000 00	675 00
Matches	2	1,120,000	1,254,223 18	13,651 50
Mattresses and pillows	24	263,555	1,280,497 57	19,464 58
Mouldings and frames	13	560,900	1,222,492 71	62,124 00

TABLE I*h*—MANUFACTURES—STATE—Concluded.

Industries	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Oil cloth and window shade cloth	4	$685,300	$1,258,014 98	$15,083 41
Oil and grease	26	5,748,602	14,432,638 84	142,287 94
Paints and varnishes	55	2,962,843	8,921,465 65	129,230 41
Patterns and models	20	131,903	266,569 81	13,197 71
Pianos and other musical instruments	15	362,823	1,720,086 31	31,043 12
Pickles, preserves and sauces	19	358,651	1,725,449 99	47,044 88
Plating	10	186,050	397,582 82	6,729 06
Plumbing, steam and gas fitting supplies	28	1,422,757	2,858,677 86	45,232 38
Pottery and stoneware	89	7,208,818	9,779,030 57	118,173 16
Potters' supplies	7	289,330	330,442 16	10,095 95
Printing and binding	640	13,980,798	15,694,229 01	529,586 83
Printers' rollers	2	7,050	23,300 00	1,250 00
Pumps and water wheels	32	1,225,538	3,483,059 48	46,986 27
Regalia	8	68,489	422,469 83	14,425 00
Roofing (iron, steel and tin)	29	304,051	1,450,879 30	17,764 31
Rubber goods	24	3,718,492	10,225,896 08	89,187 75
Rugs and carpet cleaning	6	32,187	90,488 12	4,067 00
Safes, vaults and locks	11	1,765,757	3,951,761 20	87,108 82
Salt	8	1,522,560	886,425 60	21,863 25
Sash, doors, lumber and interior finish	375	6,144,393	18,080,948 80	401,537 93
Slaughtering and meat packing	36	1,946,177	16,280,080 67	79,302 59
Soap, candles and tallow	47	8,133,752	14,514,255 92	108,569 00
Soda and mineral waters	91	626,490	759,697 14	27,248 83
Starch	2	60,275	132,460 00	1,459 00
Steel, iron and tin	94	43,460,013	114,355,561 74	735,151 62
Stencils, stamps and seals	16	63,900	120,100 00	9,832 45
Stone (cut, sawed and artificial)	32	3,894,618	2,872,255 11	54,670 54
Stoves, ranges and furnaces	89	4,435,968	10,439,035 12	190,323 39
Straw-boards and paper	49	4,989,280	11,482,648 32	146,119 61
Sucker rods	2	18,500	125,000 00	1,747 00
Tinware, sheet iron and galvanized iron-ware	121	2,825,090	8,657,450 30	149,572 13
Tobacco (chewing and smoking)	20	819,257	6,064,061 29	68,033 63
Tools	88	5,703,310	8,657,522 40	141,639 14
Trunks and valises	16	49,175	398,000 00	31,350 00
Umbrellas and parasols	5	24,700	328,000 00	6,750 00
Whips	3	73,600	154,379 04	3,454 39
Wire rods, wire cloth and wire goods	37	2,131,157	3,217,759 54	84,196 01
Miscellaneous	293	36,921,932	20,878,797 71	387,802 97
Totals	7,961	$385,895,325	$759,039,559 25	$11,537,537 90

TABLE I*i*—MANUFACTURES—BY CITIES.

Cities.	No. of Establishments Reported.	Capital Invested in Grounds, Buildings and Machinery.	Total Value of Goods Produced or Manufactured During Year 1903.	Amount Paid for Rent, Taxes and Insurance, During Year 1903.
Akron	162	$2,259,456	$27,431,469 63	$274,674 06
Alliance	29	2,090,484	4,572,088 02	36,374 51
Ashtabula	29	766,730	1,186,756 11	22,321 23
Bellaire	27	1,369,936	6,286,698 17	42,684 60
Bellefontaine	30	528,059	857,157 17	12,843 10
Bowling Green	19	354,150	529,904 53	10,383 63
Bucyrus	30	1,492,097	1,794,638 94	19,980 63
Cambridge	27	1,283,600	2,423,361 85	31,448 63
Canal Dover	18	820,487	2,401,422 82	21,675 18
Canton	117	7,076,121	13,939,482 53	171,165 21
Chillicothe	48	998,600	1,650,157 07	30,852 30
Circleville	28	743,244	1,920,723 63	25,940 49
Conneaut	20	210,251	411,870 41	14,302 27
Coshocton	31	864,830	1,477,504 67	34,142 01
Defiance	32	527,699	1,445,212 72	40,885 16
Delaware	28	573,921	738,062 24	14,662 57
East Liverpool	65	5,825,284	6,173,453 09	72,507 86
Elyria	39	1,265,138	1,552,743 55	29,656 03
Findlay	66	1,785,428	2,380,052 75	52,304 16
Fostoria	38	1,133,597	3,821,577 39	30,045 50
Fremont	50	2,148,904	2,525,080 09	37,282 76
Galion	21	384,765	665,968 65	12,989 19
Gallipolis	21	257,955	432,952 34	10,701 87
Glenville	1	50,000	203,570 47	2,000 00
Greenville	22	271,600	204,192 89	5,947 06
Hamilton	105	8,710,349	16,027,284 96	225,139 07
Ironton	51	2,128,571	5,032,628 39	62,727 35
Kenton	33	741,840	1,731,664 56	19,044 02
Lancaster	40	938,220	3,571,507 10	21,166 40
Lima	79	2,422,465	7,581,966 22	80,229 26
Lorain	29	10,342,213	10,507,878 28	89,039 17
Mansfield	82	2,282,978	8,064,246 22	96,374 63
Marietta	73	1,375,270	2,495,876 47	44,348 83
Marion	43	1,530,186	3,142,370 51	53,308 00
Martin's Ferry	22	1,899,039	3,910,007 26	33,341 36
Massillon	48	2,600,147	4,659,416 81	53,509 86
Middletown	40	2,472,771	7,351,403 12	89,563 59
Mt. Vernon	22	930,730	2,054,266 66	18,884 02
Nelsonville	11	231,524	335,083 50	5,844 94
Newark	52	1,474,000	4,161,980 36	47,096 42
New Philadelphia	27	992,850	1,138,659 60	12,874 38
Niles	24	1,702,938	4,626,219 39	46,471 78
Norwalk	38	1,208,746	1,387,304 29	24,204 74
Norwood	8	747,271	715,671 00	6,235 00
Painesville	24	383,261	490,646 73	8,943 01
Piqua	64	2,012,556	3,247,778 04	71,590 58
Portsmouth	68	1,727,891	6,876,321 03	76,105 56
St. Marys	21	585,066	1,118,144 88	19,949 89
Salem	28	1,420,087	2,567,629 54	38,258 68
Sandusky	100	3,109,114	4,364,629 12	81,572 99
Sidney	31	767,818	2,100,389 60	22,278 24
Springfield	140	7,266,654	14,933,927 43	175,556 21
Steubenville	36	4,253,648	7,680,796 32	60,937 88
Tiffin	69	1,886,602	2,711,304 92	39,172 89
Troy	23	661,753	2,248,644 78	44,581 13
Urbana	34	631,624	1,097,253 46	19,805 17
Van Wert	16	312,385	258,842 71	8,160 39
Warren	57	1,530,725	3,519,533 38	34,338 37
Washington C. H	22	275,000	873,825 65	12,490 36
Wellston	12	783,373	1,327,291 55	7,712 80
Wellsville	17	685,900	1,516,024 82	12,915 66
Wooster	26	454,009	613,078 08	15,963 29
Xenia	29	947,701	3,130,259 95	35,305 96
Youngstown	79	13,804,453	49,866,613 52	293,740 02
Zanesville	89	4,649,103	6,938,718 17	87,670 01
Totals	2810	$137,963,187	$293,003,190 11	$3,254,221 92

TABLE II.

GIVING BY INDUSTRIES THE NUMBER OF ESTABLISHMENTS REPORTED, THE AMOUNT PAID IN WAGES, THE NUMBER EMPLOYED AND THE SALARIES PAID OFFICE HELP FOR THE YEAR 1903.

TABLE II*a*—MANUFACTURES—CLEVELAND.

INDUSTRIES.	No. of Establishments reported	Total amount paid in wages during year 1903.
Advertising novelties and signs	2	$5,200 00
Awnings, tents and flags	4	55,210 74
Bags (paper and burlap)	4	193,030 98
Bicycles, bicycle sundries and automobiles	11	729,047 93
Billiard tables, bar and store fixtures	4	74,370 00
Boilers, engines and tanks	11	1,145,535 03
Boots and shoes	3	167,125 13
Boxes (paper)	4	111,170 30
Boxes (wooden)	14	190,553 17
Bread and other bakery products	19	361,573 87
Brick and tile	14	288,097 35
Brooms and brushes	5	44,010 00
Buttons (pearl)	2	16,028 00
Carriages and wagons	27	209,146 51
Carriage and wagon materials	2	27,281 94
Chewing gum	2	84,391 27
Cigars	41	306,438 10
Clothing	166	2,533,840 50
Coffee, baking powder and spices	2	8,629 00
Coffins and burial cases	2	64,000 00
Confectionery	9	184,800 06
Cooperage	5	122,472 16
Copper and brass goods	18	365,199 40
Cotton and woolen goods (knit and woven)	9	547,242 90
Dairy products	3	46,817 00
Drugs, chemicals and druggists' sundries	14	364,535 37
Electrical goods and supplies	26	1,314,337 70
Elevators and hoisting machinery	2	43,068 00
Extracts, toilet articles and perfumery	3	25,850 60
Fertilizers	3	89,775 76
Flouring mill products	3	30,206 70
Foundry and machine shop products	67	5,477,151 00
Furniture	13	24,203 90
Gas and electricity	3	485,006 12
Glass and glassware	3	18,676 13
Gunpowder and other explosives	2	63 750 50
Hardware	14	1,138,870 18
Harness and saddlery	10	25,081 00
Hats, caps and furnishings	7	51,257 25
Ice (artificial)	4	46,303 83
Inks	2	6,760 00
Iron (structural and architectural)	13	789,845 17
Jewelry and watches	3	14,240 00
Leather and leather goods	4	51,665 78
Lime, sand, cement and plaster	2	16,573 44
Liquors (malt)	9	512,961 79
Lithographing, engraving and electrotyping	9	141,821 58
Macaroni	3	15,750 00
Machinery	44	3,634,114 91
Marble and granite	8	140,508 03
Mattresses and pillows	3	36,719 28
Mouldings and frames	4	156,360 00
Oil and grease	8	871,740 88
Paints and varnishes	16	358,387 13
Patterns and models	3	49,993 00
Pianos and other musical instruments	2	36,500 00
Plating	2	13,400 00
Plumbing, steam and gas fitting supplies	11	184,408 06
Printing and binding	52	759,916 42
Pumps and water wheels	2	4,499 06
Roofing (iron, steel and tin)	4	22,160 89
Rubber goods	3	5,543 00
Rugs and carpet cleaning	2	34,225 00
Salt	2	130,022 06
Sash, doors, lumber and interior finish	23	793,358 81
Slaughtering and meat packing	8	265,065 83
Soap, candles and tallow	6	28,392 00
Soda and mineral waters	10	29,790 00
Steel, iron and tin	8	4,729,375 30
Stencils, stamps and seals	5	9,484 00
Stone (cut, sawed and artificial)	5	790,688 13
Stoves, ranges and furnaces	13	935,736 34

TABLE IIa—MANUFACTURES—CLEVELAND.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
1	$100 00	1	$100 00	.....	.....	.....	.....	1	$28 00
5	475 00	8	665 00	3	$190 00	1	$40 00	2	70 00
4	485 00	12	1,375 00	3	340 00	15	710 00	7	295 00
11	1,568 33	12	2,314 98	11	880 00	27	1,530 83	17	785 00
3	270 00	1	60 00	2	100 00	1	50 00	.....	.....
40	5,046 00	1	80 00	18	1,558 33	29	1,520 00	6	410 00
2	373 33	10	700 00	2	122 67	7	178 13	1	52 00
3	341 33	3	222 50	3	210 67	3	78 00	1	30 00
9	1,150 00	4	550 00	11	655 00	4	245 00	2	85 00
11	1,636 00	127	10,025 49	11	845 50	28	976 66	6	201 00
14	1,821 66	3	350 00	5	320 00	4	151 00	1	70 00
2	267 00	3	433 00	3	213 00	9	425 00	3	150 00
.....	.....	1	50 00	1	30 00	1	20 00	.....	.....
12	1,050 00	6	510 00	8	410 00	.....	.....	4	122 00
1	125 00	1	125 00	1	125 00	.....	.....	.....	.....
2	458 34	8	900 00	1	108 00	2	70 00	.....	.....
12	1,119 33	18	2,565 67	11	711 75	11	645 00	4	139 00
70	8,777 00	181	23,108 33	62	3 989 50	102	3,293 67	31	965 67
.....	.....	5	450 00	3	170 00	2	110 00	2	60 00
6	1,030 00	7	740 00	3	355 00	3	210 00	1	40 00
5	700 00	38	2,860 00	9	560 00	44	1 349 50	5	195 00
5	705 00	1	100 00	3	190 00	1	50 00	2	65 00
24	2,603 00	23	2,435 00	20	1,291 00	15	745 00	11	392 00
13	1,841 00	31	7,398 71	11	953 50	24	1,279 18	7	246 00
6	632 00	1	80 00	8	473 00	5	160 00	.....	.....
13	1,793 00	21	3,745 00	19	1,355 00	57	2,346 00	20	1,178 00
32	4,876 33	27	3,118 32	25	1,678 33	47	2,071 50	56	2,093 00
4	575 00	2	200 00	2	120 00	1	65 00	3	116 00
5	800 00	15	1,445 81	5	255 00	4	95 00	6	214 00
4	541 66	15	1,588 20	6	547 50	3	165 00	5	264 50
3	305 00	11	860 00	3	215 00	2	140 00	2	75 00
103	15,329 30	55	6,887 00	64	5,234 19	162	9,387 99	56	2,576 00
9	1,031 67	19	1,898 67	11	589 17	3	120 33	3	84 00
14	2,454 83	2	243 33	29	2,608 00	29	1,507 20	4	300 00
2	385 00	6	550 00	2	110 00	1	20 00	2	65 00
3	508 33	3	375 00	2	175 00	2	70 00	3	128 33
27	4,370 00	19	2,945 00	23	1,821 33	28	1,844 00	13	592 00
.....	.....	1	65 00	1	30 00	.....	.....	.....	.....
2	182 00	7	665 00	5	215 00	2	60 00	1	40 00
6	877 33	.....	.....	4	161 67	.....	.....	.....	.....
1	125 00	7	750 00	2	128 00	1	90 00	1	32 00
25	4,391 00	17	2,561 00	13	1,245 00	34	1,942 50	14	726 50
1	86 67	.....	.....	.....	.....	1	40 00	.....	.....
5	530 00	6	616 00	4	262 00	2	84 00	2	97 00
2	227 00	1	125 00	1	125 00	1	70 00	.....	.....
28	9,063 66	32	3,662 99	23	2,676 33	26	2,025 00	6	289 66
11	1,217 00	6	530 00	7	375 66	6	419 00	5	136 00
2	180 00	2	60 00	3	80 00	.....	.....	1	32 00
163	22,344 33	75	15,845 33	67	6,462 83	217	13,283 50	68	3,426 33
4	704 00	4	400 00	3	225 00	3	160 00	3	146 33
4	450 00	5	460 00	3	155 00	1	26 00	1	60 00
3	275 00	12	1,250 00	5	300 00	6	260 00	2	90 00
28	3,881 98	72	6,514 16	22	1,954 16	234	14,551 34	46	2,053 42
58	8,069 99	103	13,568 32	27	2,074 00	89	3,503 00	49	2,155 00
1	125 00	.....	.....	1	65 00	.....	.....	.....	.....
3	550 00	2	200 00	.....	.....	.....	.....	1	35 00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	1,116 66	14	1,160 00	12	865 00	12	731 00	8	273 32
41	5,212 33	24	2,183 00	34	2,408 00	45	2,954 50	21	703 00
2	110 00	.....	.....	2	70 00	.....	.....	.....	.....
1	70 00	.....	.....	2	80 00	.....	.....	1	30 00
2	266 00	3	90 00	1	50 00	.....	.....	.....	.....
3	200 00	.....	.....	3	146 00	2	40 00	2	50 00
2	291 66	9	850 00	3	357 66	9	523 00	4	160 00
22	2,790 00	34	3,686 67	26	1,880 66	46	3,741 67	27	1,158 34
10	1,765 00	133	6,810 00	56	3,853 00	8	169 00	2	115 00
5	481 66	7	351 16	5	330 00	.....	.....	1	37 00
4	440 00	10	557 00	2	105 00	1	50 00	.....	.....
111	12,237 50	2	225 00	6	681 66	171	10,105 00	13	660 00
.....	.....	.....	.....	.....	.....	.....	.....	1	27 00
21	2,412 21	13	1,672 95	11	815 00	22	2,120 00	8	488 33
12	1,763 00	42	5,268 00	15	1,278 00	40	2,242 25	16	860 85

TABLE IIa—MANUFACTURES—CLEVELAND—Concluded.

INDUSTRIES.	No. of Establishments reported	Total amount paid in wages during year 1903.
Tinware, sheet-iron and galvanized-iron ware	18	$329,509 45
Tools	14	726,088 89
Trunks and valises	6	64,237 24
Umbrellas and parasols	3	13,558 00
Wire rods, wire cloth and wire goods	14	386,991 11
Miscellaneous	29	992,068 77
Totals	930	$35,261,744 73

TABLE IIa—MANUFACTURES—CLEVELAND—Concluded.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
14	$1,714 00	12	$1,430 00	16	$978 00	8	$405 25	15	$646 30
23	3,087 00	21	2,192 50	18	1,076 00	51	2,340 00	14	584 00
8	549 00	10	620 00	5	265 00	3	125 00	1	36 00
5	303 00	8	498 00	3	195 00	5	160 00	1	28 00
13	1,925 00	13	1,305 00	10	777 00	37	2,170 00	23	1,152 00
39	3,882 17	25	2,436 66	18	1,209 00	13	849 50	22	1,007 50
1,175	$159,440 59	1,433	$160,663 75	843	$63,465 07	1,773	$96,909 50	667	$29,422 38

TABLE II*b*—MANUFACTURES—COLUMBUS.

INDUSTRIES.	No. of Establishments reported	Total amount paid in wages during year 1903.
Awnings, tents and flags	4	$9,518 00
Bicycles, bicycle sundries and automobiles	5	41,458 00
Billiard tables, bar and store fixtures	5	80,150 00
Boilers, engines and tanks	6	123,655 48
Boots and shoes	9	1,042,849 17
Boxes (paper)	2	33,836 00
Boxes (wooden)	5	30,229 00
Bread and other bakery products	8	110,718 11
Brick and tile	5	59,996 81
Brooms and brushes	3	6,472 59
Carriages and wagons	15	520,196 33
Carriage and wagon materials	7	64,625 00
Cigars	19	95,025 20
Clothing	46	247,374 10
Coffee, baking powder and spices	3	88,152 00
Confectionery	4	38,979 32
Copper and brass goods	2	15,400 00
Cotton and woolen goods (knit and woven)	2	21,854 86
Dairy products	3	35,740 81
Drugs, chemicals and druggists' sundries	8	134,169 07
Extracts, toilet articles and perfumery	2	1,110 00
Flouring mill products	5	16,956 77
Foundry and machine shop products	22	1,268,831 37
Furniture	5	82,037 56
Furs	2	5,996 00
Gas and electricity	2	80,894 68
Glass and glassware	3	250,000 00
Gloves and mittens	3	34,139 70
Harness and saddlery	8	60,720 00
Hats, caps and furnishings	5	12,284 00
Ice (artificial)	3	52,005 04
Iron (structural and architectural)	4	59,081 93
Jewelry and watches	3	9,844 00
Leather and leather goods	2	36,000 00
Lighting apparatuses	5	55,682 02
Lime, sand, cement and plaster	7	39,598 07
Liquors (malt)	4	322,224 88
Lithographing, engraving and electrotyping	5	63,404 29
Machinery	8	846,125 19
Paints and varnishes	4	19,964 80
Printing and binding	29	237,114 01
Roofing (iron, steel and tin)	5	24,085 00
Rugs and carpet cleaning	4	15,603 16
Sash, doors, lumber and interior finish	13	141,688 19
Slaughtering and meat packing	2	10,350 00
Soap, candles and tallow	3	9,700 00
Soda and mineral waters	2	9,232 64
Starch	2	8,450 94
Steel, iron and tin	4	630,788 99
Stone (cut, sawed and artificial)	2	30,000 00
Stoves, ranges and furnaces	10	156,085 54
Tinware, sheet-iron and galvanized iron-ware	10	114,704 47
Tools	6	104,532 61
Trunks and valises	3	18,175 00
Wire rods, wire cloth and wire goods	4	21,249 29
Miscellaneous	32	488,595 02
Totals	394	$8,137,655 01

TABLE II*b*—MANUFACTURES—COLUMBUS.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
1	$60 00	3	$140 00	2	$60 00	.....	.....	1	$40 00
4	550 00	3	500 00	4	195 00	3	$140 00	4	135 00
4	365 00	4	350 00	5	295 00	2	60 00	4	170 00
4	466 66	3	295 00	3	300 00	2	105 00	3	111 00
63	10,615 00	148	24,150 00	20	1,277 00	37	1,367 00	15	594 00
2	630 00	1	55 00	1	60 00	.....	.....	1	45 00
3	225 00	.....	.....	.....	.....	.....	.....	2	62 00
4	591 66	56	3,244 30	9	502 00	18	791 83	3	110 00
6	640 00	1	80 00	2	175 00	.....	.....	1	40 00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	1,785 00	33	3,550 00	17	1,314 50	16	820 00	14	600 00
8	760 00	6	375 00	3	150 00	4	250 00	4	145 00
9	585 00	4	195 00	.....	.....	2	90 00	1	30 00
17	1,603 33	24	2,160 00	13	641 66	7	231 00	4	142 00
3	227 00	139	9,906 00	5	267 00	6	238 00	6	280 00
3	275 00	18	1,275 00	3	226 40	9	305 00	1	30 00
1	125 00	.....	.....	1	80 00	.....	.....	1	25 00
3	304 33	2	166 00	2	85 00	.....	.....	.....	.....
1	50 00	3	250 00	4	225 00	5	247 50	3	157 00
13	1,818 00	16	2,558 00	9	678 88	74	1,535 54	24	797 91
.....	.....	3	160 00	1	40 00	.....	.....	.....	.....
2	205 00	4	215 00	2	185 00	.....	.....	1	30 00
30	5,836 67	161	32,222 00	26	2,121 00	37	2,206 00	24	995 00
11	1,229 00	13	1,800 00	3	235 00	3	64 00	2	113 33
1	100 00	5	225 00	.....	.....	1	55 00	.....	.....
5	690 41	11	815 00	1	75 00	9	506 38	1	55 00
7	775 00	1	400 00	3	300 00	2	100 00	2	90 00
2	200 00	1	125 00	2	80 00	.....	.....	1	35 00
5	405 00	21	2,395 00	6	350 00	9	400 00	4	141 00
4	270 00	6	475 00	3	102 50	.....	.....	.....	.....
3	400 00	.....	.....	2	147 00	7	260 00	1	28 00
3	300 00	.....	.....	1	75 00	3	150 00	3	125 00
1	125 00	2	150 00	1	35 00	1	20 00	1	35 00
2	200 00	1	85 00	1	75 00	.....	.....	.....	.....
8	845 00	2	135 00	3	232 50	1	35 00	2	55 00
3	210 00	4	375 00	7	400 00	.....	.....	5	149 00
14	3,865 00	14	1,673 33	13	1,285 00	12	935 00	6	275 00
3	303 00	2	180 00	5	306 32	6	180 00	4	124 00
31	6,659 78	20	3,200 00	12	1,037 71	73	4,767 19	24	1,235 00
6	1,239 16	19	2,511 32	4	208 33	3	210 00	3	107 00
21	2,232 50	38	4,038 33	22	1,075 50	19	793 00	8	282 67
1	50 00	.....	.....	1	50 00	.....	.....	.....	.....
1	120 00	.....	.....	1	32 00	.....	.....	.....	.....
12	1,035 00	1	83 33	10	608 33	3	135 00	2	95 00
.....	.....	2	97 16	1	52 00	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1	75 00	1	75 00	1	75 00	.....	.....	.....	.....
2	148 33	6	465 00	1	85 00	.....	.....	2	70 00
9	1,849 66	1	150 00	5	425 00	20	1,730 33	5	251 00
1	55 00	.....	.....	1	50 00	2	58 00	.....	.....
9	910 00	7	1,200 00	5	527 00	2	75 00	5	180 00
5	784 05	8	1,035 00	5	455 00	12	666 23	9	430 00
5	518 33	2	130 00	3	160 00	2	72 50	5	180 50
2	205 00	.....	.....	3	165 00	3	170 00	1	25 00
4	313 33	3	366 66	3	210 00	4	210 00	5	170 00
33	3,934 00	65	5,848 00	26	1,925 50	40	2,600 50	41	1,455 30
412	$57,764 20	888	$109,879 43	287	$19,718 13	459	$22,580 00	259	$10,245 71

TABLE IIc—MANUFACTURES—CINCINNATI.

INDUSTRIES.	No. of Establishments reported	Total amount paid in wages during year 1903.
Advertising novelties and signs	3	$63,160 00
Awnings, tents and flags	7	64,643 73
Bags (paper and burlap)	5	75,832 20
Bicycles, bicycle sundries and automobiles	2	4,290 00
Billiard tables, bar and store fixtures	11	236,928 90
Boilers, engines and tanks	9	337,310 66
Boots and shoes	27	2,371,597 95
Boxes (paper)	7	117,622 65
Boxes (wooden)	11	152,413 21
Bread and other bakery products	26	439,368 89
Brick and tile	9	62,147 45
Brooms and brushes	9	40,295 00
Bungs	3	48,804 00
Carriages and wagons	51	1,038,097 71
Carriage and wagon materials	16	288,572 40
Cigars	57	997,214 10
Clothing	187	3,248,207 69
Coffee, baking powder and spices	8	74,672 74
Coffins and burial cases	4	299,405 38
Confectionery	14	204,959 00
Cooperage	10	264,674 45
Copper and brass goods	21	535,169 02
Cotton and woolen goods (knit and woven)	8	121,235 25
Drugs, chemicals and druggists' sundries	20	116,184 20
Electrical goods and supplies	12	485,992 61
Elevators and hoisting machinery	5	95,658 97
Extracts, toilet articles and perfumery	5	12,881 00
Fertilizers	2	53,867 99
Flouring mill products	2	14,741 24
Foundry and machine shop products	28	1,220,647 38
Furniture	47	1,093,232 96
Glass and glassware	6	337,557 00
Hardware	4	100,261 49
Harness and saddlery	11	226,707 00
Hats, caps and furnishings	14	183,017 73
Ice (artificial)	6	33,395 50
Inks	3	97,721 80
Iron (structural and architectural)	8	356,726 29
Jewelry and watches	14	124,067 20
Leather and leather goods	14	545,806 94
Liquors (distilled)	15	241,240 55
Liquors (malt)	21	991,950 34
Lithographing, engraving and electrotyping	20	589,021 16
Machinery	57	309,140 99
Malt	3	27,888 00
Marble and granite	6	97,064 00
Mattresses and pillows	6	58,366 00
Moldings and frames	9	219,249 92
Oil cloth and window-shade cloth	2	20,450 00
Oil and grease	8	109,862 40
Paints and varnishes	14	168,837 62
Patterns and models	8	40,329 00
Pianos and other musical instruments	3	207,581 55
Pickles, preserves and sauces	6	113,627 21
Plating	2	125,795 36
Plumbing, steam and gas fitting supplies	6	226,972 91
Pottery and stoneware	2	39,190 70
Printing and binding	88	1,604,012 71
Printers' rollers	2	2,580 00
Pumps and water wheels	4	380,130 50
Regalia	8	93,252 16
Roofing (iron, steel and tin)	7	41,793 27
Safes, vaults and locks	6	359,956 26
Sash, doors, lumber and interior finish	23	544,121 11
Slaughtering and meat packing	17	398,322 76
Soap, candles and tallow	18	639,408 96
Soda and mineral waters	12	43,116 00
Stencils, stamps and seals	5	35,430 00
Stone (cut, sawed and artificial)	4	81,947 00
Stoves, ranges and furnaces	13	428,241 75
Tinware, sheet-iron and galvanized-iron ware	22	268,834 28
Tobacco (chewing and smoking)	5	75,097 83

TABLE IIc—MANUFACTURES—CINCINNATI.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
4	$1,000 00	1	$150 00	5	$256 00	6	$246 00	8	$235 00
8	776 00	9	550 00	6	415 00	5	100 00	3	110 00
7	823 16	19	1,034 30	4	320 00	5	256 17	3	137 67
1	60 00	.....	.....	1	50 00	.....	.....	.....	.....
7	656 40	23	2,255 00	11	865 00	12	586 00	10	435 00
6	744 00	5	514 00	6	460 00	5	158 00	5	175 00
97	10,427 33	177	19,688 56	40	3,326 00	124	4,495 33	21	722 16
9	930 83	2	233 83	4	236 00	2	95 00	4	192 66
8	725 00	2	185 00	10	625 00	3	99 00	1	25 00
21	2,300 00	57	2,983 37	17	1,362 67	41	1,154 00	9	291 33
4	317 00	1	35 00	1	60 00	1	30 00	.....	.....
4	380 00	30	1,585 00	2	85 00	2	90 00	1	30 00
4	675 00	3	250 00	2	208 00	1	50 00	3	100 00
52	5,570 89	64	7,701 31	32	2,262 66	77	3,677 00	46	1,616 50
12	1,135 00	3	610 00	9	570 00	3	145 00	6	159 67
36	3,060 00	61	5,855 00	21	1,843 00	25	1,142 00	10	441 00
83	12,105 00	385	48,039 33	114	10,130 21	276	12,853 00	63	2,432 67
9	875 00	50	4,590 00	11	789 00	21	1,219 00	7	302 00
9	1,316 00	23	3,052 00	3	350 00	10	700 00	2	142 00
8	780 00	22	2,040 00	11	855 00	21	1,020 00	5	165 00
25	1,920 00	9	1,150 00	6	570 00	4	325 00	3	135 00
27	3,064 92	7	567 00	20	1,547 42	18	690 33	18	515 33
5	848 33	4	388 33	4	268 00	2	78 00	...	.....
21	2,877 00	109	15,354 00	17	1,048 67	27	1,002 00	21	721 00
18	4,273 33	11	1,196 00	12	846 00	48	2,483 00	23	718 66
3	350 00	5	575 00	3	310 00	3	125 00	6	240 00
2	125 00	3	325 00	2	450 00	1	80 00	2	65 00
4	408 33	6	545 00	3	175 83	5	215 99	3	83 33
2	300 00	2	160 00	2	225 00	1	75 00	2	75 00
43	6,315 83	9	1,052 50	20	1,684 00	33	2,247 72	19	996 00
61	6,651 34	71	7,447 00	41	2,788 00	40	2,278 00	27	1,186 00
6	1,030 00	2	425 00	5	450 00	3	125 00	2	75 00
8	1,016 67	6	420 00	3	350 00	7	371 33	2	96 00
9	955 00	28	2,710 00	8	820 00	23	970 00	5	218 00
10	951 66	24	2,502 00	11	618 00	25	1,045 00	4	110 00
5	431 67	1	125 00	6	373 00	2	70 00	.....	.....
4	1,110 00	22	3,950 00	4	410 00	11	600 00	5	285 00
26	3,186 00	7	800 00	6	555 00	36	2,309 00	10	379 33
10	1,283 33	8	695 00	6	455 00	8	292 00	5	168 00
22	3,447 00	16	1,612 00	12	990 00	7	480 00	6	227 00
16	2,435 33	59	12,657 33	25	2,535 00	42	2,121 34	23	1,013 00
43	10,693 09	57	8,377 33	41	5,082 16	48	3,424 07	2	96 66
22	3,343 17	26	3,477 37	25	2,016 16	35	2,136 66	17	724 82
62	7,746 66	76	6,685 65	47	3,171 34	100	4,752 00	59	2,305 16
7	655 00	.....	.....	2	177 66	2	126 66	.....	.....
3	310 00	1	125 00	2	246 00	4	195 00	1	35 00
4	930 00	8	696 00	4	430 00	11	588 00	3	139 00
24	2,268 00	26	2,365 00	8	708 00	19	720 00	6	225 00
2	220 00	4	400 00	2	100 00	1	50 00	2	50 00
9	1,088 33	21	1,660 00	6	379 50	8	393 00	6	219 00
8	1,388 33	44	7,362 67	17	1,801 67	14	731 00	10	502 00
1	92 00	.....	.....	4	130 00	6	150 00	2	60 00
3	600 00	1	500 00	3	300 00	11	409 50	3	105 00
9	795 25	33	3,018 00	9	677 00	10	555 00	7	262 00
2	391 67	4	870 83	2	140 00	3	105 00	2	68 00
7	1,231 63	18	2,083 67	5	356 67	4	212 67	8	305 00
3	365 00	2	138 00	2	90 00	.....	.....	1	60 00
80	12,629 11	63	6,791 40	59	3,815 66	149	7,947 41	48	1,748 67
...	.....	1	100 00	1	40 00	.....	.....	.....	.....
15	1,675 00	16	1,585 00	3	200 00	40	2,000 00	6	200 00
7	901 00	21	2,015 00	9	521 00	14	552 00	15	560 00
5	534 00	2	165 00	4	260 00	4	375 00	3	102 00
11	1,835 00	11	1,600 00	7	565 00	25	1,085 00	10	457 00
27	2,608 50	13	1,255 00	20	1,331 50	22	1,213 00	12	481 00
15	1,824 83	28	2,295 00	16	1,403 80	27	1,318 50	8	471 15
62	12,647 66	138	18,515 99	23	2,356 01	90	4,559 66	33	1,197 00
4	385 00	22	1,135 00	3	240 00	.....	.....	.....	.....
4	287 00	2	125 00	2	120 00	4	140 00	2	60 00
6	670 00	.....	.....	1	100 00	1	40 00	.....	.....
24	3,165 00	40	4,743 00	18	1,310 00	31	1,054 00	25	849 50
12	1,151 66	7	550 00	9	602 66	8	498 00	8	282 16
3	450 00	16	1,455 00	4	440 00	...	.....	1	40 00

TABLE II*c*—MANUFACTURES—CINCINNATI—Concluded.

INDUSTRIES.	No. of Establishments reported.	Total amount paid in wages during year 1903.
Tools	34	$1,228,667 03
Trunks and valises	7	44,690 00
Wire rods, wire cloth and wire goods	4	116,197 09
Miscellaneous	41	1,143,099 38
Totals	1,214	$28,300,555 66

TABLE II*c*—MANUFACTURES—CINCINNATI—Concluded.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
58	$7,490 83	18	$2,092 33	20	$1,752 01	53	$2,928 50	24	$924 99
3	245 00	6	755 00	2	195 00	4	95 00	2	75 00
6	1,750 00	3	483 00	2	300 00	6	360 00	3	150 00
51	6,959 08	56	5,655 00	51	3,259 00	77	3,826 01	24	801 32
1,318	$176,964 15	2,130	$245,083 10	959	$77,155 26	1,817	$88,639 85	746	$28,575 24

TABLE II*d*—MANUFACTURES—DAYTON.

INDUSTRIES.	No. of Establishments reported	Total amount paid in wages during year 1903.
Advertising novelties and signs	2	$25,142 25
Agricultural implements	4	202,107 86
Awnings, tents and flags	3	4,955 10
Boilers, engines and tanks	6	321,501 75
Boxes (paper)	5	153,908 56
Boxes (wooden)	4	46,731 58
Bread and other bakery products	6	51,424 00
Brick and tile	5	24,532 00
Brooms and brushes	3	47,00 00
Carriages and wagons	9	100,936 64
Carriage and wagon materials	3	98,459 40
Cigars	20	283,689 08
Clothing	23	127,036 88
Coffee, baking powder and spices	3	35,378 00
Confectionery	2	2,160 00
Dairy products	2	26,640 00
Drugs, chemicals and druggists' sundries	2	7,068 00
Electrical goods and supplies	4	56,647 72
Extracts, toilet articles and perfumery	2	15,347 27
Flouring mill products	4	29,650 00
Foundry and machine shop products	20	4,106,701 66
Furniture	6	218,699 21
Glass and glassware	2	5,000 00
Harness and saddlery	2	6,275 00
Iron (structural and architectural)	2	5,900 00
Liquors (malt)	7	100,801 40
Machinery	12	1,859,598 08
Mattresses and pillows	2	10,700 00
Paints and varnishes	4	37,519 68
Patterns and models	2	7,484 99
Printing and binding	20	249,692 17
Sash, doors, lumber and interior finish	5	257,862 37
Slaughtering and meat packing	2	44,115 12
Soap, candles and tallow	6	58,585 54
Soda and mineral waters	3	5,626 55
Stoves, ranges and furnaces	4	139,878 63
Strawboards and papers	5	122,096 74
Tinware, sheet-iron and galvanized-iron ware	3	29,674 25
Tobacco (chewing and smoking)	4	76,215 53
Tools	5	32,089 35
Miscellaneous	27	409,403 98
Totals	255	$9,401,936 34

TABLE II*d*—MANUFACTURES—DAYTON.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
2	$192 50	2	$150 00	2	$100 00	.....	.....	2	$48 00
13	1,505 00	12	1,375 00	6	601 67	12	$770 00	2	83 00
1	100 00	4	238 00	2	85 00	.....	.....	.....	.....
11	1,528 00	5	700 00	5	355 00	9	466 00	4	185 00
6	1,145 00	18	1,855 00	5	433 33	9	765 00	8	385 00
7	425 00	1	60 00	2	132 00	.....	.....	1	18 00
7	770 00	31	2,022 00	7	449 00	6	175 00	1	30 00
3	300 00	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	1	45 00	.....	.....	.....	.....	.....	.....
11	958 33	5	525 00	3	223 33	2	117 00	2	85 00
6	760 00	.....	.....	3	165 00	1	60 00	1	40 00
15	1,203 00	9	1,625 00	7	480 00	1	25 00	1	40 00
4	475 00	14	1,183 33	5	397 50	4	170 00	3	65 00
4	310 00	26	2,170 00	5	383 00	6	290 00	5	205 00
.....	.....	.....	.....	1	22 00	.....	.....	.....	.....
1	166 66	.....	.....	1	65 00	1	50 00	1	40 00
2	185 00	1	110 00	1	75 00	1	42 00	1	75 00
3	306 67	.....	.....	3	220 00	3	150 00	5	193 00
1	125 00	12	965 00	1	83 33	1	60 00	1	40 00
2	165 00	4	170 00	3	230 00	2	49 00	.....	.....
77	17,758 73	450	144,613 40	67	5,023 27	174	8,063 67	193	8,297 67
15	1,270 00	12	1,246 66	5	278 50	5	217 00	5	225 33
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1	60 00	.....	.....	.....	.....	.....	.....	.....	.....
2	241 67	2	125 00	.....	.....	.....	.....	.....	.....
9	1,329 99	7	664 99	8	754 83	1	60 00	2	88 00
20	4,070 34	30	6,467 66	15	1,327 33	61	3,627 30	27	1,261 04
3	135 00	11	3,000 00	.....	.....	4	81 00	.....	.....
1	125 00	16	2,266 66	4	226 67	4	145 00	4	75 00
.....	.....	.....	.....	1	15 00	.....	.....	1	28 00
121	2,095 00	17	1,657 11	18	1,339 16	17	776 00	11	394 17
13	1,746 66	3	150 00	5	325 00	4	186 00	3	111 00
5	464 00	7	1,178 00	5	295 00	1	30 00	1	58 00
6	365 00	31	2,277 00	3	250 00	.....	.....	9	285 50
1	60 00	2	144 00	1	60 00	.....	.....	.....	.....
2	465 00	7	600 00	3	430 00	4	245 00	2	75 00
7	760 00	1	230 00	4	308 00	2	125 00	4	168 00
1	135 00	.....	.....	2	80 00	.....	.....	.....	.....
4	303 80	4	400 00	3	235 00	.....	.....	1	40 00
2	210 00	4	500 00	3	95 00	.....	.....	1	25 00
36	3,954 09	15	1,808 34	20	1,343 00	35	2,124 18	25	898 33
325	$46,169 44	764	$180,522 15	229	$16,885 92	370	$18,869 15	327	$13,562 04

TABLE—II*e*—MANUFACTURES—TOLEDO.

INDUSTRIES.	No. of Establishments reported	Total amount paid in wages during year 1903.
Agricultural implements	2	$16,947 87
Awnings, tents and flags	3	24,880 70
Bath cabinets	2	14,000 00
Bicycles, bicycle sundries and automobiles	5	803,525 33
Billiard tables, bar and store fixtures	2	76,857 55
Boilers, engines and tanks	6	349,312 86
Boxes (paper)	3	12,585 77
Boxes (wooden)	4	33,526 58
Bread and other bakery products	10	98,679 20
Brick and tile	10	170,452 14
Brooms and brushes	6	83,911 42
Carriages and wagons	11	240,478 75
Carriage and wagon materials	5	127,905 40
Chewing gum	2	5,242 91
Cigars	14	38,209 94
Clothing	37	348,570 86
Coffee, baking powder and spices	2	41,100 00
Cooperage	3	27,530 00
Copper and brass goods	2	9,352 00
Cotton and woolen goods (knit and woven)	3	74,115 00
Drugs, chemicals and druggists' sundries	7	20,020 00
Electrical goods and supplies	4	84,480 58
Extracts, toilet articles and perfumery	3	2,265 40
Flouring mill products	9	164,066 52
Foundry and machine shop products	17	1,090,302 40
Furniture	11	197,458 77
Gas and electricity	2	71,476 70
Glass and glassware	3	623,513 40
Harness and saddlery	2	8,000 00
Hats, caps and furnishings	2	7,640 00
Iron (structural and architectural)	2	304,845 07
Lime, sand, cement and plaster	4	19,532 50
Liquors (distilled)	2	13,200 00
Liquors (malt)	6	204,707 87
Machinery	11	532,926 77
Marble and granite	2	15,450 00
Mattresses and pillows	2	10,900 00
Oil and grease	4	135,519 88
Paints and varnishes	3	13,903 33
Pickles, preserves and sauces	2	13,563 32
Printing and binding	19	117,284 07
Pumps and water wheels	3	17,582 29
Sash, doors, lumber and interior finish	15	208,987 10
Soap, candles and tallow	2	7,600 35
Soda and mineral waters	3	28,753 13
Steel, iron and tin	3	351,659 41
Stencils, stamps and seals	3	5,093 00
Stone (cut, sawed and artificial)	3	37,341 64
Stoves, ranges and furnaces	2	19,142 98
Tinware, sheet-iron and galvanized-iron ware	13	221,673 08
Tools	3	6,097 73
Wire rods, wire cloth and wire goods	2	12,474 85
Miscellaneous	23	319,873 01
Totals	324	$7,484,519 48

TABLE—II*e*—MANUFACTURES—TOLEDO.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
2	$154 00	1	$216 67	2	$153 00	1	$26 00	2	$61 67
3	300 00	12	1,028 67	2	125 00	1	100 00	2	55 00
2	205 00	3	300 00	2	115 00	.....	.....	1	33 33
17	2,965 66	22	2,570 00	7	575 34	20	971 00	19	880 00
4	350 00	12	1,150 00	2	175 00	9	360 00	8	300 00
8	1,050 00	6	466 66	7	584 66	2	100 00	3	110 33
1	100 00	1	100 00	.....	.....	.....	.....	1	30 00
2	265 00	.....	.....	2	140 00	1	35 00	.....	.....
4	448 33	27	1,752 00	6	426 66	4	149 33	3	97 00
10	974 16	2	215 00	7	410 00	2	95 00	1	25 00
4	675 00	13	1,125 00	3	205 00	4	172 00	6	187 00
21	2,475 00	2	135 00	7	255 00	10	600 00	6	240 00
7	997 00	4	250 00	7	410 00	1	100 00	2	88 00
.....	.....	1	75 00	1	40 00	.....	.....	.....	.....
1	65 00	1	60 00	.....	.....	.....	.....	.....	.....
11	1,358 66	31	2,404 66	10	551 33	9	412 00	2	65 00
2	190 00	30	3,500 00	7	610 00	27	1,450 00	11	465 00
2	171 66	.....	.....	1	25 00	.....	.....	.....	.....
.....	.....	.....	.....	2	80 00	.....	.....	.....	.....
4	400 00	7	910 00	3	145 00	10	500 00	1	25 00
3	273 00	3	235 00	2	110 00	1	60 00	3	61 33
6	524 00	14	1,475 34	5	300 00	4	226 00	5	181 00
1	125 00	8	425 00	3	160 00	4	152 00	2	41 67
13	2,355 01	7	555 00	11	887 00	7	329 17	7	316 00
27	4,190 66	6	690 00	18	1,164 50	52	3,071 33	17	696 00
11	1,196 00	9	915 00	9	391 00	1	50 00	.....	.....
5	933 33	3	265 00	5	310 00	4	175 00	.....	.....
11	3,055 40	6	860 00	1	65 00	10	1,092 00	2	72 00
1	60 00	1	70 00	1	50 00	.....	.....	.....	.....
1	87 00	.....	.....	.....	.....	.....	.....	.....	.....
2	225 00	.....	.....	2	147 00	45	3,350 00	3	130 00
4	351 33	6	553 00	3	210 00	2	100 00	4	160 00
2	408 33	4	536 33	1	183 33	3	262 00	.....	.....
12	2,758 33	11	974 98	10	1,058 33	9	767 66	1	50 00
14	2,080 00	7	950 00	10	706 66	11	550 83	11	450 50
3	190 00	2	130 00	1	65 00	1	85 00	.....	.....
2	180 00	8	400 00	1	40 00	1	40 00	.....	.....
9	1,615 00	1	60 00	5	511 66	6	455 00	5	235 00
3	238 33	9	577 50	2	160 00	2	85 00	2	53 00
3	235 00	5	460 00	2	143 33	1	50 00	.....	.....
9	810 00	5	675 00	8	363 00	18	770 00	10	324 00
2	250 00	8	685 00	2	100 00	1	50 00	2	70 00
16	1,589 33	9	846 67	12	810 00	4	237 50	2	100 00
1	150 00	3	130 00	2	70 00	...	.....	1	21 00
3	275 00	4	325 00	2	160 00	1	50 00	.....	.....
8	1,151 83	.....	.....	3	235 00	11	508 07	2	80 00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	308 33	4	414 66	2	98 00	.....	.....	2	46 00
2	400 00	2	150 00	2	114 00	.....	.....	2	56 00
11	1,353 00	8	435 00	11	566 00	6	365 00	9	372 00
1	75 00	1	75 00	1	40 00	.....	.....	1	40 00
3	205 00	1	100 00	1	60 00	.....	.....	.....	.....
15	1,579 66	31	2,529 00	18	912 50	10	463 00	10	312 00
311	$42,372 34	361	$32,756 14	234	$15,217 30	316	$18,414 89	171	$6,529 83

TABLE II*f*—MANUFACTURES—CITIES.

INDUSTRIES.	No. of Establishments reported	Total amount paid in wages during year 1903.
Advertising novelties and signs	9	$301,104 27
Agricultural implements	30	1,995,422 16
Awnings, tents and flags	3	4,240 00
Baskets	3	9,214 46
Bicycles, bicycle sundries and automobiles	9	225,162 61
Billiard tables, bar and store fixtures	5	36,218 88
Boilers, engines and tanks	71	4 038,346 18
Boots and shoes	19	1,462,465 57
Boxes (paper)	7	49,980 59
Boxes (wooden)	11	85,130 40
Bread and other bakery products	121	313,293 15
Brick and tile	108	2,119,047 56
Brooms and brushes	19	118,899 00
Canned goods	13	168,421 97
Carriages and wagons	115	985,195 53
Carriage and wagon materials	34	668,775 22
Cars and car furnishings	3	360,631 16
Chewing gum	4	23,325 85
Churns	3	2,810 00
Cigars	170	769,509 83
Clothing	223	765,108 32
Clothes wringers and washboards	3	3,827 58
Coffee, baking powder and spices	5	2,900 00
Coffins and burial cases	4	95,083 64
Confectionery	25	67,729 21
Cooperage	28	249,615 36
Copper and brass goods	10	229,303 69
Cordage and twine	3	249,619 14
Cotton and woolen goods (knit and woven)	19	324,298 23
Cutlery and edge tools	5	265,318 25
Dairy products	8	29,683 00
Dental and surgical chairs	3	56,902 36
Drugs, chemicals and druggists' sundries	33	57,226 48
Electrical goods and supples	26	702,888 85
Elevators and hoisting machinery	2	3,135 00
Extracts, toilet articles and perfumery	7	70,944 43
Fertilizers	9	40,176 79
Fireworks	2	12,380 00
Flouring mill products	103	761,351 11
Foundry and machine shop products	110	2,895,205 22
Furniture	39	862,028 19
Gas and electrcitiy	78	729,303 55
Glass works supplies	4	95,712 86
Glass and glassware	24	2,771,068 85
Gloves and mittens	10	101,480 86
Gunpowder and other explosives	7	133,511 08
Handles	10	121,045 00
Hardware	12	413,117 34
Harness and saddlery	16	126,741 44
Hats, caps and furnishings	3	25,750 00
Hollowware	2	191,897 46
Ice (artificial)	31	159,164 31
Iron (structural and architectural)	16	832,568 97
Jewelry and watches	4	833,966 97
Leather and leather goods	11	127,804 58
Lightning apparatus	5	60,317 76
Lime, sand, cement and plaster	34	441,372 30
Liquors (distilled)	18	69,341 74
Liquors (malt)	48	576,274 02
Lithographing, engraving and electrotyping	6	43,395 76
Machinery	81	3,757,216 01
Malt	3	27,319 88
Marble and granite	21	70,814 72
Marbles	2	17,100 00
Mattresses and pillows	11	73,740 53
Oilcloth and window-shade cloth	2	63,840 62
Oil and grease	6	343,934 64
Paints and varnishes	12	26,741 21
Patterns and models	7	33,268 39
Pianos and other musical instruments	7	188,415 02
Pickles, preserves and sauces	5	9,010 32
Plating	7	15,664 00

TABLE II*f*—MANUFACTURES—CITIES.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
18	$2,587 66	127	$18,291 89	17	$619 00	7	$212 66	10	$350 33
93	12,157 88	106	9,746 33	42	3,319 00	69	5,462 93	49	1,900 00
1	90 00	2	120 00	1	55 00	.....	.....	.....	.....
2	150 00	.....	.....	.....	.....	.....	.....	1	25 00
13	1,364 00	24	2,525 00	9	520 00	11	495 00	11	400 00
1	100 00	1	83 33	3	152 67	1	40 00	2	70 33
132	16,656 47	129	16,056 26	72	5,324 49	127	7,975 71	68	3,132 65
76	6,970 53	108	13,591 66	15	942 00	117	4,111 90	14	490 86
5	431 67	3	270 00	2	90 00	1	30 00	2	60 00
5	528 33	1	75 00	3	285 00	2	59 00	1	25 00
13	1,078 33	45	3,375 63	17	930 66	35	924 67	5	146 17
90	11,766 73	29	4,080 00	47	3,332 33	46	2,387 75	25	907 66
8	775 00	20	1,865 00	5	246 00	5	140 00	4	112 00
12	1,310 00	12	765 00	13	929 66	2	95 00	3	85 00
57	5,931 49	62	6,040 42	37	2,078 48	27	1,260 14	26	1,053 33
37	3,579 16	14	1,635 00	15	985 83	12	603 00	15	487 75
10	1,141 66	2	675 00	3	325 00	9	575 00	5	245 00
2	225 00	6	430 00	1	60 00	2	65 17	2	72 00
30	2,881 61	29	3,580 83	20	1,077 17	12	399 00	9	267 39
25	2,026 98	84	6,660 58	16	864 50	20	866 85	10	307 50
1	60 00	4	300 00	1	52 00	.....	.....	1	75 00
2	155 00	3	145 00	3	115 00	.....	.....	1	25 00
5	640 00	11	933 33	4	384 67	9	376 67	3	80 80
8	660 00	30	2,060 40	11	610 67	15	375 00	1	25 00
16	1,160 75	1	100 00	11	555 50	.....	.....	2	70 00
16	2,295 00	20	3,000 00	9	626 83	20	1,200 00	22	849 33
8	975 00	6	783 33	7	505 00	6	280 00	5	216 90
16	1,685 66	10	1,218 04	14	810 50	6	432 50	8	281 33
14	1,975 00	41	6,390 00	8	485 00	15	392 00	12	336 00
4	390 00	.....	.....	5	325 00	1	32 00	1	32 00
7	735 00	14	2,800 00	4	325 00	2	51 00	5	260 00
15	1,386 10	117	6,632 91	18	783 20	14	530 33	28	817 81
45	5,534 99	28	3,097 77	28	1,929 80	37	1,707 93	48	1,756 75
1	150 00	.....	.....	1	40 00	.....	.....	.....	.....
9	1,059 00	15	1,350 00	4	235 00	3	122 00	5	149 00
8	642 00	14	1,075 00	4	235 00	3	175 00	1	50 00
2	65 00	.....	.....	2	80 00	.....	.....	2	70 00
76	7,719 99	37	2,782 39	63	3,221 33	23	945 00	19	650 00
101	12,384 12	28	3,975 00	65	4,812 25	58	3,178 66	39	1,505 75
59	6,310 82	53	5,941 17	27	1,705 49	12	567 50	19	673 33
86	9,654 97	7	449 00	67	3,666 49	39	1,494 00	15	554 00
3	500 00	.....	.....	2	200 00	2	160 00	2	95 00
49	6,127 00	24	3,544 67	30	2,439 16	22	1,126 00	23	989 58
4	292 00	12	949 00	5	185 00	.....	.....	3	82 00
10	1,750 00	3	400 00	5	385 00	1	75 00	2	100 00
8	970 33	2	240 00	2	150 00	2	51 67	4	162 50
28	2,799 50	7	683 33	8	559 00	10	473 00	9	300 80
8	740 00	9	792 50	6	275 50	3	175 00	2	65 00
3	450 00	25	2,000 00	3	235 00	3	195 00	3	115 00
4	791 66	10	1,000 00	2	110 00	4	120 00	3	90 00
24	2,023 49	6	415 00	24	1,314 33	14	642 87	9	244 00
20	2,637 67	28	4,241 66	14	1,224 00	36	3,354 00	17	680 50
3	520 00	7	712 00	3	360 00	7	595 00	8	301 67
9	1,595 82	7	2,100 41	6	336 00	5	310 00	4	187 50
10	993 00	3	336 67	8	531 66	15	900 00	7	320 00
24	2,180 66	6	443 33	21	1,054 34	6	279 70	13	473 33
21	2,484 99	28	2,970 32	13	805 00	6	187 00	7	226 00
46	6,429 33	32	3,001 67	44	3,566 82	17	1,097 50	4	160 00
4	398 66	2	300 00	2	140 00	2	90 00	3	99 00
127	16,306 55	94	10,751 49	78	5,796 85	122	7,416 19	90	3,541 91
2	266 66	1	300 00	2	131 66	.....	.....	.....	.....
2	205 00	6	420 00	2	145 00	1	30 00	1	39 00
2	150 00	.....	.....	1	75 00	.....	.....	1	25 00
6	330 00	5	370 00	4	120 00	3	84 00	3	82 00
4	685 00	.....	.....	.....	.....	2	152 00	1	43 33
8	1,012 50	.....	.....	4	375 00	23	1,313 16	1	80 00
11	1,509 67	22	2,091 00	8	660 00	2	43 33	14	421 00
2	246 00	.....	.....	.....	.....	.....	.....	1	30 00
13	1,741 33	8	1,193 33	7	432 50	.....	.....	4	190 00
2	175 00	2	200 00	1	25 00	.....	.....	.....	.....
1	50 00	.....	.....	1	35 00	.....	.....	1	25 00

TABLE II*f*—MANUFACTURES—CITIES—Concluded.

INDUSTRIES.	No. of Establishments reported	Total amount paid in wages during year 1903.
Plumbing, steam and gas fitting supplies	10	$303,700 60
Pottery and stoneware	54	3,717,479 12
Potters' supplies	7	71,691 15
Printing and binding	262	1,848,996 54
Pumps and water wheels	11	356,287 58
Roofing (iron, steel and tin)	13	95,815 36
Rubber goods	16	2,036,049 00
Safes, vaults and locks	5	819,382 26
Sash, doors, lumber and interior finish	135	1,382,435 76
Slaughtering and meat packing	5	35,826 00
Soap, candles and tallow	12	26,541 00
Soda and mineral waters	50	78,726 36
Steel, iron and tin	59	15,708,961 58
Stencils, stamps and seals	3	1,550 00
Stone (cut, sawed and artificial)	7	134,509 57
Stoves, ranges and furnaces	40	1,768,194 60
Strawboards and paper	25	1,013,355 57
Sucker rods	2	23,193 00
Tinware, sheet-iron and galvanized-iron ware	44	694,451 80
Tobacco (chewing and smoking)	8	468,881 73
Tools	21	855,875 43
Umbrellas and parasols	2	19,500 00
Wire rods, wire cloth and wire goods	9	265,155 09
Miscellaneous	83	606,957 72
Totals	2,810	$66,296,336 25

TABLE II*f*—MANUFACTURES—CITIES—Concluded.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
10	$1,057 68	12	$1,160 00	6	$443 67	10	$585 00	7	$292 50
106	12,331 33	212	22,123 66	53	4,276 34	59	2,871 00	45	1,609 50
6	617 33	.....	.....	5	326 66	.....	.....	2	88 00
142	13,578 42	69	5,403 48	127	6,165 65	118	4,878 17	86	2,715 49
13	1,600 00	6	530 00	4	391 66	15	786 00	9	440 00
9	891 66	5	450 00	8	443 00	3	120 00	7	282 00
34	5,228 32	103	13,611 54	34	3,032 32	126	7,768 59	101	5,222 83
11	3,165 07	62	14,200 00	11	1,079 66	37	2,203 33	13	548 33
100	9,396 33	33	2,166 33	88	5,261 63	29	1,197 33	23	732 00
3	420 00	5	360 00	4	225 00	4	221 00	.....	.....
4	368 00	6	500 00	3	160 00	1	15 00	2	45 00
14	909 66	10	500 00	6	229 00	1	30 00	...	.....
314	57,317 01	36	4,571 65	57	4,723 03	487	30,816 05	67	3,438 55
1	60 00	1	35 00	.....	.....	.....	.....	.....	.....
5	398 00	1	175 00	4	218 00	1	100 00	2	90 00
71	7,699 50	82	8,458 66	36	2,630 33	50	2,338 83	27	954 85
35	5,490 60	11	1,600 00	23	1,944 99	24	1,520 00	17	647 66
3	265 00	.....	.....	2	180 00	1	50 00	.....	.....
42	4,901 80	20	2,255 00	24	1,405 95	42	2,107 00	31	1,152 66
11	1,869 66	13	1,180 00	7	799 21	13	581 18	6	242 33
19	2,678 25	10	1,051 00	12	1,003 33	13	647 66	11	500 66
3	200 00	8	1,200 00	2	130 00	1	18 00	2	75 00
13	1,341 00	3	285 00	5	360 00	10	460 00	6	184 33
48	5,395 33	54	4,633 33	39	2,073 34	32	1,348 00	30	1,012 50
2,604	$320,932 67	2,354	$258,806 30	1,560	$102,810 11	2,153	$117,095 93	1,233	$48,059 28

TABLE IIg—MANUFACTURES—VILLAGES.

INDUSTRIES.	No. of Establishments reported	Total amount paid in wages during year 1903.
Advertising novelties and signs	3	$9,421 00
Agricultural implements	18	364,648 22
Baskets	7	29,375 78
Bicycles, bicycle sundries and automobiles	4	53,532 40
Billiard tables, bar and store fixtures	7	52,005 65
Boilers, engines and tanks	17	630,721 23
Boots and shoes	3	29,904 61
Boxes (wooden)	9	23,756 41
Bread and other bakery products	72	49,049 25
Brick and tile	224	2,569,352 00
Brooms and brushes	10	22,979 53
Canned goods	21	59,507 27
Carriages and wagons	83	421,769 62
Carriage and wagon materials	18	297,816 84
Cars and car furnishings	2	134,258 21
Churns	2	18,915 00
Cigars	101	154,964 82
Clothing	85	145,366 57
Coffee, baking powder, and spices	3	1,863 80
Confectionery	2	913 70
Cooperage	48	302,431 38
Cotton and woolen goods (knit and woven)	16	207,824 96
Dairy products	62	90,679 37
Drugs, chemicals and druggists' sundries	15	288,094 18
Electrical goods and supplies	8	207,449 01
Extracts, toilet articles and perfumery	2	105 00
Fireworks	2	64,525 28
Flouring mill products	255	409,710 95
Foundry and machine shop products	70	1,000,488 42
Furniture	36	427,307 17
Gas and electricity	101	166,423 00
Glass and glassware	6	825,865 08
Gloves and mittens	2	20,500 00
Handles	26	155,384 65
Hardware	4	102,944 76
Harness and saddlery	21	218,480 11
Ice (artificial)	11	26,983 40
Iron (structural and architectural)	3	41,115 74
Leather and leather goods	9	102,683 71
Lime, sand, cement and plaster	21	391,689 27
Liquors (distilled)	8	43,175 47
Liquors (malt)	10	36,877 00
Machinery	36	360,623 05
Marble and granite	17	67,133 82
Mat hes	2	365,792 50
Pain s and varnishes	2	17,638 48
Piano and other musical instruments	3	57,987 70
Pickles, preserves and sauces	6	15,880 71
Pottery and stoneware	33	854,758 94
Printing and binding	170	158,958 61
Pumps and water wheels	12	235,549 93
Rubber goods	5	157,749 07
Salt	6	105,015 99
Sash, doors, lumber and interior finish	161	767,181 30
Slaughtering and meat packing	2	16,212 16
Soda and mineral waters	11	5,443 88
Steel, iron and tin	20	2,636,828 40
Stone (cut, sawed and artificial)	11	104,625 54
Stoves, ranges and furnaces	7	134,580 02
Strawboards and paper	19	668,435 23
Tinware, sheet-iron and galvanized-iron ware	11	56,142 92
Tobacco (chewing and smoking)	3	8,643 40
Tools	5	101,523 96
Whips	3	24,913 87
Wire rods, wire cloth and wire goods	4	7,199 70
Miscellaneous	58	432,851 22
Totals	2,034	$17,602,530 22

TABLE II*g*—MANUFACTURES—VILLAGES.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
2	$288 00	5	$360 00	2	$155 00	1	$50 00	.....	.....
23	1,927 00	44	3,778 31	12	701 50	13	723 16	13	$435 00
3	231 66	.....	.....	4	150 00	.....	.....	.....	.....
3	350 00	1	125 00	4	245 00	2	70 00	3	101 00
6	637 00	3	150 00	4	196 00	1	50 00	4	135 00
16	2,110 00	4	355 00	15	1,133 50	16	948 00	8	420 00
2	266 67	5	288 20	2	200 00	2	61 00	2	40 00
2	185 00	.....	.....	2	55 00	1	36 00	.....	.....
1	38 00	1	75 00	2	38 00	6	128 00	.....	.....
127	11,782 33	31	3,659 17	64	3,792 33	42	2,249 00	27	1,038 30
2	130 00	3	269 00	2	87 00	1	30 00	.....	.....
14	858 66	1	50 00	8	420 08	2	61 00	1	12 00
14	1,240 66	23	2,285 66	13	724 21	11	393 00	11	392 67
18	1,898 33	4	416 67	11	615 00	5	225 00	5	164 00
2	466 66	1	300 00	2	140 00	3	159 00	2	85 00
3	280 00	.....	.....	2	111 00	1	55 00	.....	.....
7	305 00	6	430 00	2	50 00	1	37 50	.....	.....
12	900 00	9	1,727 50	4	105 00	3	68 00	1	20 00
1	83 33	.....	.....	.....	.....	.....	.....	1	35 00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	2,620 00	5	368 33	9	587 00	5	253 33	2	136 00
13	1,702 41	7	448 33	3	213 00	6	240 50	4	90 00
33	781 50	3	260 00	14	585 32	2	50 00	.....	.....
17	1,867 83	25	2,225 50	9	607 00	15	1,095 00	14	575 00
8	1,066 66	29	3,067 49	8	418 33	15	486 34	12	436 00
1	50 00	1	60 00	.....	.....	1	40 00	.....	.....
2	375 00	2	275 00	2	186 33	1	45 00	1	40 00
62	4,293 16	28	1,677 32	68	3,018 46	8	609 00	5	184 00
41	4,195 78	12	1,008 33	28	1,555 00	30	4,770 65	18	615 00
34	2,699 66	25	2,032 00	27	1,180 33	7	323 00	7	264 00
54	3,849 58	3	125 00	24	743 75	13	324 58	1	30 00
12	1,809 13	1	250 00	8	563 00	10	553 00	6	353 00
.....	.....	1	40 00	1	40 00	.....	.....	1	15 00
9	631 00	5	487 67	9	375 00	.....	.....	1	30 00
5	600 00	12	1,253 00	3	170 00	1	30 00	5	129 50
16	2,692 00	24	1,376 00	7	318 00	19	657 00	11	345 00
5	390 00	...	.....	5	210 00	1	50 00	.....	.....
4	430 00	5	625 00	2	228 00	1	65 00	1	40 00
5	908 32	1	416 66	3	160 00	2	130 00	1	55 00
21	2,145 32	11	961 66	14	834 00	17	824 00	5	195 00
5	660 00	3	630 00	6	308 00	3	115 00	3	63 00
5	455 00	5	375 00	6	330 00	1	40 00	.....	.....
32	2,994 82	25	2,235 00	25	1,624 00	25	1,234 00	19	638 50
3	255 00	7	415 00	1	60 00	3	375 00	2	35 00
34	4,050 00	11	938 33	4	350 00	10	590 00	4	163 50
1	125 00	.....	.....	1	60 00	1	48 00	1	48 00
2	400 00	4	500 00	3	170 00	.....	.....	3	117 00
2	185 00	.....	.....	2	77 00	2	38 00	.....	.....
37	3,842 00	64	13,214 74	21	1,416 67	13	649 00	14	469 00
32	2,543 76	3	150 00	17	510 81	24	540 13	6	200 68
9	814 16	35	3,433 33	9	633 33	25	490 00	9	465 00
4	560 00	5	438 00	3	155 00	7	513 00	3	145 00
8	700 00	4	420 00	5	308 00	5	215 00	2	60 00
55	4,352 00	28	1,950 08	58	2,537 00	18	681 67	13	479 50
2	200 00	2	130 00	1	25 00	.....	.....	.....	.....
.....	.....	1	40 00	2	65 00	.....	.....	.....	.....
25	4,473 33	1	100 00	14	1,191 33	77	4,981 66	13	623 00
15	1,098 30	4	190 00	9	463 50	.....	.....	1	40 00
5	525 66	13	1,215 00	5	250 00	3	170 66	4	105 00
28	3,747 65	6	1,285 00	16	1,491 67	7	423 00	10	380 50
6	685 00	22	1,536 90	6	415 00	3	110 83	5	154 00
1	50 00	.....	.....	.....	.....	.....	.....	.....	.....
5	406 33	9	762 80	3	126 00	3	122 00	3	106 00
6	576 67	18	1,349 00	3	200 00	2	100 00	2	75 00
4	318 00	9	450 00	2	67 67	3	32 50	2	57 50
31	3,414 32	31	2,177 31	22	1,591 37	27	1,044 50	19	582 67
993	$94,517 65	651	$65,162 29	643	$35,337 49	527	$28,404 01	311	$11,418 32

TABLE II*h*—MANUFACTURES—STATE.

INDUSTRIES.	No. of Establishments reported.	Total amount paid in wages during year 1903.
Advertising novelties and signs	19	$404,027 52
Agricultural implements	54	2,579,126 11
Awnings, tents and flags	24	163,448 27
Bags (paper and burlap)	9	268,863 18
Baskets	10	38,590 24
Bath cabinets	2	14,000 00
Bicycles, bicycle sundries and automobiles	36	1,857,016 27
Billiard tables, bar and store fixtures	34	556,530 98
Boilers, engines and tanks	126	6,946,383 19
Boots and shoes	61	5,073,942 43
Boxes (paper)	28	479,103 87
Boxes (wooden)	58	562,340 35
Bread and other bakery products	262	1,424,106 47
Brick and tile	375	5,293,625 31
Brooms and brushes	55	321,267 54
Bungs	3	48,804 00
Buttons (pearl)	2	16,028 00
Canned goods	34	227,929 24
Carriages and wagons	311	3,515,821 09
Carriage and wagon materials	85	1,573,436 20
Cars and car furnishings	5	494,889 37
Chewing gum	8	112,960 03
Churns	5	21,725 00
Cigars	422	2,645,051 07
Clothing	767	7,415,504 92
Clothes wringers and washboards	3	3,827 58
Coffee, baking powder and spices	26	252,695 54
Coffins and burial cases	10	458,489 02
Confectionery	56	499,541 29
Cooperage	94	966,723 35
Copper and brass goods	53	1,154,424 11
Cordage and twine	3	249,619 14
Cotton and woolen goods (knit and woven)	57	1,296,571 20
Cutlery and edge tools	5	265,318 25
Dairy products	78	229,560 18
Dental and surgical chairs	3	56,902 36
Drugs, chemicals and druggists' sundries	99	987,297 30
Electrical goods and supplies	80	2,851,796 47
Elevators and hoisting machinery	9	141,861 97
Extracts, toilet articles and perfumery	24	128,503 70
Fertilizers	14	183,820 54
Fireworks	4	76,905 28
Flouring mill products	381	1,426,683 47
Foundry and machine shop products	334	17,059,327 45
Furniture	157	3,004,967 76
Furs	2	5,996 00
Gas and electricity	186	1,533,104 05
Glass works supplies	4	95,712 86
Glass and glassware	47	4,831,680 46
Gloves and mittens	15	156,120 56
Gunpowder and other explosives	9	197,261 58
Handles	36	276,429 65
Hardware	34	1,755,193 77
Harness and saddlery	70	672,004 55
Hats, caps and furnishings	31	279,948 98
Hollowware	2	191,897 46
Ice (artificial)	55	317,852 08
Inks	5	104,481 80
Iron (structural and architectural)	48	2,390,083 17
Jewelry and watches	24	982,118 17
Leather and leather goods	40	863,961 01
Lighting apparatus	10	115,999 78
Lime, sand, cement and plaster	68	908,765 58
Liquors (distilled)	43	366,957 76
Liquors (malt)	105	2,745,797 30
Lithographing, engraving and electrotyping	40	837,642 79
Macaroni	3	15,750 00
Machinery	249	12,299,745 00
Malt	6	55,207 88
Marble and granite	54	390,970 57
Marbles	2	17,100 00
Matches	2	365,792 50

TABLE II*h*—MANUFACTURES—STATE.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
27	$4,168 16	136	$19,051 89	26	$1,130 00	14	$508 66	21	$661 33
131	15,743 88	163	15,116 31	62	4,775 17	95	6,982 09	66	2,479 67
19	1,801 00	38	2,741 67	16	930 00	7	240 00	8	275 00
11	1,308 16	31	2,409 30	7	660 00	20	966 17	10	432 67
5	381 66	.....	.....	4	150 00	.....	.....	1	25 00
2	205 00	3	300 00	2	115 00	.....	.....	1	33 33
49	6,857 99	62	8,034 98	36	2,465 34	63	3,206 83	54	2,301 00
25	2,378 40	44	4,048 33	27	1,783 67	26	1,146 00	28	1,110 33
217	27,601 13	153	18,466 92	126	9,715 98	190	11,272 71	97	4,543 98
240	28,652 86	448	58,418 42	79	5,867 67	287	10,213 36	53	1,899 02
26	3,578 83	28	2,736 33	15	1,030 00	15	968 00	17	742 66
36	3,503 33	8	870 00	30	1,892 00	11	474 00	7	215 00
61	6,862 32	344	23,477 79	69	4,554 49	138	4,299 49	27	875 50
254	27,601 88	67	8,419 17	126	8,089 66	95	4,912 75	55	2,080 96
20	2,227 00	70	5,322 00	15	836 00	21	857 00	14	479 00
4	675 00	3	250 00	2	208 00	1	50 00	3	100 00
.....	.....	1	50 00	1	30 00	1	20 00	.....	.....
26	2,168 66	13	815 00	21	1,349 74	4	156 00	4	97 00
183	19,011 37	195	20,747 39	117	7,268 18	143	6,867 14	109	4,109 50
89	9,254 49	32	3,411 67	49	3,020 83	26	1,383 00	33	1,084 42
12	1,608 32	3	975 00	5	465 00	12	734 00	7	330 00
4	683 34	15	1,405 00	3	208 00	4	135 17	2	72 00
3	280 00	.....	.....	2	111 00	1	55 00	.....	.....
110	9,218 94	128	14,311 50	61	4,161 92	52	2,338 50	25	917 39
222	27,245 97	728	85,283 73	224	16,679 70	421	17,894 52	114	3,997 84
1	60 00	4	300 00	1	52 00	.....	.....	1	75 00
21	1,840 33	253	20,761 00	34	2,334 00	62	3,307 00	33	1,372 00
20	2,986 00	41	4,725 33	10	1,089 67	22	1,286 67	6	262 80
24	2,415 00	108	8,235 40	35	2,274 07	89	3,049 50	12	415 00
84	6,577 41	16	1,718 33	30	1,927 50	10	628 33	9	406 00
68	8,087 92	50	6,002 00	52	3,625 25	53	2,635 33	52	1,781 66
8	975 00	6	783 33	7	505 00	6	280 00	5	216 90
54	6,781 73	61	10,529 41	37	2,475 00	48	2,530 18	20	642 33
14	1,975 00	41	6,390 00	8	485 00	15	392 00	12	336 00
45	2,020 16	7	590 00	32	1,673 32	14	539 50	5	229 00
7	735 00	14	2,800 00	4	325 00	2	51 00	5	260 00
84	10,199 93	292	30,860 41	75	4,657 75	189	6,610 87	111	4,226 05
112	16,581 98	109	11,954 92	81	5,392 46	154	7,124 77	149	5,378 41
8	1,075 00	7	775 00	6	470 00	4	190 00	9	356 00
19	2,284 00	57	4,730 81	16	1,223 33	14	549 00	16	509 67
16	1,591 99	35	3,208 20	13	958 33	11	555 99	9	397 83
4	440 00	2	275 00	4	266 33	1	45 00	3	110 00
160	15,343 16	93	6,419 71	152	7,981 79	43	2,147 17	36	1,330 00
422	66,011 09	721	190,448 23	288	21,594 21	546	32,926 02	366	15,681 42
200	20,388 49	202	21,280 50	123	7,167 49	71	3,619 83	63	2,545 99
1	100 00	5	225 00	.....	.....	1	55 00	.....	.....
164	17,583 12	26	1,897 33	126	7,403 24	94	4,007 16	21	939 00
3	500 00	.....	.....	2	200 00	2	160 00	2	95 00
87	13,181 53	40	6,029 67	49	3,927 16	48	3,016 00	37	1,644 58
6	492 00	14	1,114 00	8	305 00	.....	.....	5	132 00
13	2,258 33	6	775 00	7	560 00	3	145 00	5	228 33
17	1,601 33	7	727 67	11	525 00	2	51 67	5	192 50
68	8,786 17	44	5,301 33	37	2,900 33	46	2,718 33	29	1,118 30
40	4,912 00	84	7,408 50	29	1,843 50	54	2,202 00	22	769 00
20	1,940 66	62	5,642 00	22	1,170 50	30	1,300 00	8	265 00
4	791 66	10	1,000 00	2	110 00	4	120 00	3	90 00
43	4,122 49	7	540 00	41	2,206 00	24	1,022 87	10	272 00
5	1,235 00	29	4,700 00	6	538 00	12	690 00	6	317 00
82	11,411 34	59	8,352 66	38	3,474 00	155	11,170 50	48	2,081 33
15	2,015 00	17	1,557 00	10	850 00	17	947 00	14	504 67
43	6,681 14	31	4,830 07	26	1,823 00	16	1,004 00	13	566 50
18	1,838 00	5	471 67	11	764 16	16	935 00	9	375 00
54	5,114 31	28	2,457 99	46	2,623 34	26	1,273 70	27	977 33
44	5,988 65	94	16,793 98	45	3,831 33	54	2,685 34	33	1,302 00
157	34,594 40	158	18,730 29	145	14,753 47	114	8,349 23	21	959 32
40	5,261 83	36	4,487 37	39	2,838 14	49	2,825 66	29	1,083 32
2	180 00	2	60 00	3	80 00	.....	.....	1	32 00
449	62,202 48	327	46,135 13	254	20,126 72	609	35,631 01	298	12,858 44
9	921 66	1	300 00	4	309 32	2	126 66	.....	.....
15	1,664 00	20	1,490 00	9	741 00	12	845 00	7	255 33
2	150 00	.....	.....	1	75 00	.....	.....	1	25 00
34	4,050 00	11	938 33	4	350 00	10	590 00	4	163 50

TABLE II*h*—MANUFACTURES—STATE—Concluded.

INDUSTRIES.	No. or Establishments reported	Total amount paid in wages during year 1903.
Mattresses and pillows	24	$190,425 81
Mouldings and frames	13	375,609 92
Oil cloth and window-shade cloth	4	84,290 62
Oil and grease	26	1,461,057 80
Paints and varnishes	55	642,992 25
Patterns and models	20	131,075 38
Pianos and other musical instruments	15	490,484 27
Pickles, preserves and sauces	19	152,081 56
Plating	11	154,859 36
Plumbing, steam and gas fitting supplies	27	715,081 57
Pottery and stoneware	89	4,611,428 76
Potters' supplies	7	71,691 15
Printing and binding	640	5,015,974 53
Printers' rollers	2	2,580 00
Pumps and water wheels	32	994,049 36
Regalia	8	93,252 16
Roofing (iron, steel and tin)	29	183,854 52
Rubber goods	24	2,199,341 07
Rugs and carpet cleaning	6	49,828 16
Safes, vaults and locks	11	1,179,338 52
Salt	8	235,038 05
Sash, doors, lumber and interior finish	375	4,095,634 64
Slaughtering and meat packing	36	769,891 87
Soap, candles and tallow	47	770,227 85
Soda and mineral waters	91	200,688 56
Starch	2	8,450 94
Steel, iron and tin	94	24,057,613 68
Stencils, stamps and seals	16	51,557 00
Stone (cut, sawed and artificial)	32	1,179,111 88
Stoves, ranges and furnaces	89	3,581,859 86
Strawboards and paper	49	1,803,887 54
Sucker rods	2	23,193 00
Tinware, sheet-iron and galvanized-iron ware	121	1,714,990 25
Tobacco (chewing and smoking)	20	628,838 49
Tools	88	3,054,875 05
Trunks and valises	16	127,102 24
Umbrellas and parasols	5	33,058 00
Whips	3	24,913 87
Wire rods, wire cloth and wire goods	37	809,267 13
Miscellaneous	293	4,392,849 10
Totals	7,961	$172,485,277 69

TABLE II*h*—MANUFACTURES—STATE—Concluded.

OFFICE HELP.

Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
19	$2,025 00	37	$4,926 00	12	$745 00	20	$819 00	7	$281 00
27	2,543 00	38	3,615 00	15	1,008 00	25	980 00	8	315 00
6	905 00	4	400 00	2	100 00	3	202 00	3	93 33
54	7,597 81	94	8,234 16	37	3,220 32	271	16,712 50	58	2,587 42
88	12,695 48	213	28,377 47	63	5,190 67	115	4,765 33	83	3,361 00
4	463 00	.....	.....	6	210 00	6	150 00	4	118 00
21	3,291 33	15	2,393 33	13	902 50	11	409 50	11	447 00
16	1,390 25	40	3,678 00	14	922 33	13	643 00	7	262 00
3	441 67	4	870 83	3	175 00	3	105 00	3	93 00
27	3,405 97	44	4,403 67	23	1,665 34	26	1,528 67	23	870 82
146	16,538 33	278	35,476 40	76	5,783 01	72	3,520 00	60	2,138 50
6	617 33	.....	.....	5	326 66	.....	.....	2	88 00
346	39,101 12	219	20,898 32	285	15,677 78	390	18,659 21	190	6,368 68
.....	.....	1	100 00	1	40 00	.....	.....	.....	.....
41	4,449 16	65	6,233 33	20	1,394 99	81	3,326 00	26	1,175 00
7	901 00	21	2,015 00	9	521 00	14	552 00	15	560 00
16	1,545 66	7	615 00	15	833 00	7	495 00	11	414 00
40	6,054 32	111	14,139 54	38	3,237 32	133	8,281 59	104	5,367 83
4	320 00	.....	.....	4	178 00	2	40 00	2	50 00
22	5,000 07	73	15,800 00	18	1,644 66	62	3,288 33	23	1,005 33
10	991 66	13	1,270 00	8	665 66	14	738 00	6	220 00
245	23,517 82	121	10,138 08	219	12,754 12	126	7,392 17	82	3,156 84
35	4,673 83	177	10,870 16	83	5,853 80	40	1,738 50	11	644 15
78	14,012 32	185	21,774 15	36	3,166 01	91	4,574 66	46	1,585 50
27	2,144 66	50	2,776 00	17	934 00	3	130 00	.....	.....
2	148 33	6	465 00	1	85 00	.....	.....	2	70 00
467	77,029 33	40	5,046 65	85	7,256 02	766	48,141 11	100	5,052 55
5	347 00	3	160 00	2	120 00	4	140 00	3	87 00
50	4,941 84	22	2,452 61	28	1,744 50	26	2,318 00	13	664 33
125	14,928 16	193	21,634 66	84	6,539 33	130	6,125 74	81	3,081 20
70	9,998 25	18	3,115 00	43	3,744 66	33	2,068 00	31	1,196 16
3	265 00	.....	.....	2	180 00	1	50 00	.....	.....
91	10,724 51	77	7,241 90	73	4,502 61	79	4,152 31	77	3,037 12
19	2,673 46	33	3,035 00	14	1,474 21	13	581 18	8	322 33
113	14,465 74	65	6,803 63	60	4,252 34	122	6,110 66	59	2,361 15
13	999 00	16	1,375 00	10	625 00	10	390 00	4	136 00
8	503 00	16	1,698 00	5	325 00	6	178 00	3	103 00
6	576 67	18	1,349 00	3	200 00	2	100 00	2	75 00
43	5,852 33	32	2,989 66	23	1,774 67	60	3,232 50	39	1,713 83
253	29,118 65	277	25,087 64	194	12,313 71	234	12,255 69	171	6,069 62
7,138	$898,161 04	8,581	1,052,873 16	4,755	$330,589 28	7,415	$390,913 33	3,714	$147,812 80

TABLE II*i*—MANUFACTURES—BY CITIES.

CITIES.	No. of Establishments reported	Total amount paid in wages during year 1903.
Akron	162	$5,172,473 41
Alliance	29	1,116,461 18
Ashtabula	29	324,744 40
Bellaire	27	1,240,400 16
Bellefontaine	30	160,577 21
Bowling Green	19	101,747 94
Bucyrus	30	416,923 55
Cambridge	27	777,414 75
Canal Dover	18	683,806 95
Canton	117	3,552,960 25
Chillicothe	48	345,328 17
Circleville	28	217,844 45
Conneaut	20	99,533 41
Coshocton	31	460,392 76
Defiance	32	343,761 67
Delaware	28	185,667 80
East Liverpool	65	2,912,095 04
Elyria	39	476,082 37
Findlay	66	569,653 71
Fostoria	38	471,784 25
Fremont	50	642,064 47
Galion	21	153,609 34
Gallipolis	21	102,413 59
Glenville	1	72,537 79
Greenville	22	57,302 10
Hamilton	105	3,757,425 28
Ironton	51	852,229 46
Kenton	33	254,488 11
Lancaster	40	712,114 21
Lima	79	1,166,562 55
Lorain	29	2,581,477 04
Mansfield	82	1,275,776 54
Marietta	73	603,394 44
Marion	43	893,764 50
Martin's Ferry	22	1,370,832 39
Massillon	48	1,579,423 77
Middletown	40	1,130,739 56
Mt. Vernon	22	483,581 42
Nelsonville	11	143,530 11
Newark	52	1,586,722 30
New Philadelphia	27	374,758 41
Niles	24	1,196,219 67
Norwalk	38	368,916 93
Norwood	8	96,232 00
Painesville	24	127,344 27
Piqua	64	1,048,870 37
Portsmouth	68	1,630,163 59
St. Marys	21	261,304 85
Salem	28	910,352 10
Sandusky	100	1,034,237 93
Sidney	31	345,277 00
Springfield	140	3,637,748 88
Steubenville	36	2,361,251 37
Tiffin	69	740,969 71
Troy	23	291,217 51
Urbana	34	260,534 90
Van Wert	16	69,208 00
Warren	57	874,614 49
Washington C. H.	22	141,281 99
Wellston	12	284,216 65
Wellsville	17	550,245 36
Wooster	26	188,181 43
Xenia	29	454,353 04
Youngstown	79	8,219,488 81
Zanesville	89	1,779,704 59
Totals	2,810	$66,296,336 25

TABLE II*i*—MANUFACTURES—BY CITIES.

OFFICE HELP.									
Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
163	$21,135 49	171	$21,426 94	120	$9,075 32	265	$14,438 59	182	$8,415 49
26	3,530 33	11	850 00	16	914 50	30	1,405 75	13	424 00
15	1,589 26	6	822 00	15	718 00	4	140 50	6	190 00
31	4,816 46	9	765 00	13	768 33	31	2,347 00	7	265 00
17	1,598 00	16	1,280 00	8	323 50	3	110 00	3	100 00
10	941 00	5	334 00	12	637 36	3	133 35	2	63 25
16	1,918 33	22	2,323 33	16	759 68	20	1,151 10	17	609 00
22	2,942 55	15	1,025 55	13	763 67	25	1,714 00	10	547 00
10	1,083 33	10	1,538 40	9	467 50	28	1,656 00	13	511 00
127	14,985 37	147	17,000 00	82	6,454 00	155	8,781 24	99	3,871 08
26	2,902 32	24	1,800 00	18	819 50	9	361 00	7	212 50
17	1,559 33	10	934 00	12	624 00	3	112 00	4	115 00
10	1,127 00	2	160 00	9	615 00	5	219 00	4	148 00
24	2,909 33	90	15,936 89	23	886 00	7	260 00	14	412 00
23	2,198 18	18	1,462 66	12	624 00	10	484 02	5	222 16
19	1,875 16	11	1,405 60	16	849 00	4	100 53	4	127 83
87	10,869 83	107	10,895 61	44	3,713 66	32	1,803 00	35	1,300 50
31	4,373 33	22	1,832 00	24	1,553 16	16	776 17	21	772 00
38	3,707 83	24	1,913 00	29	1,734 34	8	307 00	9	294 33
24	2,768 33	16	1,600 00	23	1,197 63	20	645 00	18	574 00
34	4,418 33	83	10,283 67	30	1,599 00	20	845 00	29	857 64
17	1,388 33	11	1,065 00	11	499 16	4	200 00	5	158 00
15	1,025 84	8	805 00	8	287 33	2	80 00	2	68 33
4	740 00	3	900 00	3	190 00	.....	.....	.....	.....
9	742 00	2	185 00	4	191 66	1	30 00	1	8 33
101	14,204 79	137	22,235 60	64	4,777 16	107	5,732 96	58	2,230 15
40	4,947 82	19	1,615 00	27	1,659 85	13	870 00	12	352 00
10	1,156 33	39	2,615 24	14	778 16	18	1,527 16	6	242 83
21	2,032 00	40	3,148 66	9	928 00	13	563 00	9	268 00
48	5,231 17	25	2,615 23	35	2,400 08	40	1,958 16	11	479 00
43	9,390 34	11	1,100 00	36	2,354 00	88	4,467 16	16	734 00
82	10,215 02	144	14,319 00	61	4,064 42	59	3,204 16	58	2,223 06
64	6,625 67	29	2,746 00	34	1,853 32	18	634 33	7	260 00
62	6,663 51	36	3,327 12	30	1,886 33	42	2,388 00	28	1,162 50
11	1,849 49	8	854 66	6	621 66	28	1,824 38	9	328 09
59	6,381 50	35	3,648 65	23	1,633 33	33	2,795 83	23	1,051 33
58	7,857 66	31	3,362 00	33	2,748 87	38	1,820 18	25	875 99
11	1,245 00	13	2,259 00	10	480 50	9	443 00	8	275 00
9	875 00	1	150 00	6	375 00	.....	.....	2	95 00
46	5,086 33	35	3,595 00	29	2,012 66	35	1,529 00	20	764 00
15	1,520 00	6	400 00	8	357 50	9	411 00	2	70 00
28	3,616 03	22	2,345 00	17	1,237 00	28	1,555 35	18	778 66
31	3,934 65	32	4,150 00	15	1,001 00	14	533 00	9	405 00
6	590 00	.....	.....	.....	.....	1	58 00	3	80 00
11	1,088 33	5	400 00	8	369 00	1	50 00	5	164 00
35	4,070 55	85	5,586 67	28	1,757 61	21	1,115 00	21	735 33
107	10,650 86	93	12,460 00	35	2,391 16	127	4,952 40	21	735 95
18	1,424 33	7	585 00	7	443 00	9	549 00	4	177 00
40	4,358 53	25	3,016 00	18	1,040 00	35	2,250 67	19	749 00
67	8,184 50	47	4,871 99	50	3,055 50	36	1,609 91	22	753 00
20	2,344 37	41	3,372 50	11	678 34	15	529 00	10	399 75
162	20,287 76	156	15,382 21	87	6,685 82	107	6,997 03	99	3,683 45
43	8,896 08	19	2,087 00	23	1,739 00	75	4,037 86	17	750 00
43	4,163 00	32	2,298 25	27	1,363 86	19	949 00	18	485 00
31	2,421 67	17	1,412 00	11	757 66	14	661 33	7	305 00
18	1,887 65	11	1,060 00	13	751 00	3	190 00	8	289 00
6	556 66	1	333 33	4	130 00	1	20 00	2	58 00
55	5,515 01	34	4,086 60	37	2,266 13	25	1,222 60	40	1,548 41
19	1,388 33	14	1,025 00	11	582 66	2	66 00	4	166 67
14	1,435 00	.....	.....	7	499 67	2	110 00	4	125 00
11	1,212 00	5	325 00	8	497 00	18	996 00	6	230 00
19	1,605 00	15	1,255 00	9	389 50	5	140 00	4	160 00
22	2,816 66	15	1,693 33	14	925 00	16	642 17	14	505 90
227	34,697 96	86	8,866 90	72	5,356 81	242	15,295 47	47	2,225 05
76	11,361 05	140	15,659 71	53	3,697 25	82	4,297 77	27	872 72
2,604	$320,932 67	2,354	$258,806 30	1,560	$102,810 11	2,153	$117,095 93	1,233	$48,059 28

TABLE III.

GIVING BY INDUSTRIES THE NUMBER OF ESTABLISHMENTS REPORTED, NUMBER OF MALES AND FEMALES EMPLOYED EACH MONTH, AND THE MONTHLY AVERAGE OF MALES AND FEMALES FOR THE YEAR 1903.

TABLE IIIa—MANUFACTURES—CLEVELAND.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs	2	5	.....	5	.....	6	.....	7	.....	7	.....
Awnings, tents and flags	4	33	30	39	35	56	43	68	57	79	66
Bags (paper and burlap)	4	248	306	245	304	239	304	249	311	255	318
Bicycles, bicycle sundries and automobiles	11	1,396	29	1,473	31	1,562	30	1,584	33	1,590	30
Billiard tables, bar & store fixtures	4	125	.....	125	.....	127	.....	127	.....	127	.....
Boilers, engines and tanks	11	2,232	.....	2,404	.....	2,325	.....	2,250	.....	2,264	.....
Boots and shoes	3	307	234	307	234	307	234	307	234	307	234
Boxes (paper)	4	61	261	61	274	61	266	61	270	60	268
Boxes (wooden	14	159	35	385	35	389	35	418	36	407	36
Bread and other bakery products	19	534	167	531	163	540	157	542	155	552	161
Brick and tile	14	428	.....	413	.....	445	.....	417	.....	307	.....
Brooms and brushes	5	91	57	91	54	89	56	85	56	90	59
Buttons (pearl)	2	20	52	20	52	20	52	20	57	20	47
Carriages and wagons	27	318	.....	325	....	342	....	359	....	367	.....
Carriage and wagon materials	2	52	....	52	4	52	4	52	4	52	4
Chewing gum	2	11	285	11	290	11	296	12	294	12	295
Cigars	41	330	513	341	536	353	552	337	558	332	617
Clothing	166	1,618	2488	1,802	2,573	2,173	2,746	2,354	2,748	2 321	2,672
Coffee, baking powder and spices	2	9	4	9	5	9	5	9	7	9	7
Coffins and burial cases	2	105	41	105	41	105	41	105	40	105	41
Confectionery	9	207	202	204	197	208	206	208	201	204	198
Cooperage	5	283	1	228	1	300	1	297	1	291	1
Copper and brass goods	18	567	18	585	18	618	19	621	19	542	23
Cotton and woolen goods(knit and woven)	9	391	1,437	413	1,459	394	1,456	385	1,457	377	1,440
Dairy products	3	85	5	84	5	84	5	84	5	84	5
Drugs, chemicals and druggists' sundries	14	603	4	571	4	574	4	625	4	624	4
Electrical goods and supplies	26	2,224	447	2,190	479	2,256	498	2,358	482	2,381	480
Elevators and hoisting machinery	2	67	....	63	....	74	....	61	....	67	.....
Extracts, toilet articles and perfumery	3	14	22	14	22	14	22	15	31	15	33
Fertilizers	3	141	....	141	....	162	....	166	....	171	.....
Flouring mill products	3	57	1	57	1	57	1	58	1	57	1
Foundry and machine shop products	67	9,947	437	10,119	463	10,373	465	10,187	461	10,328	466
Furniture	13	193	6	208	5	222	5	239	5	232	5
Gas and electricity	3	767	....	727	....	759	....	736	....	749	.....
Glass and glassware	3	29	2	29	2	29	3	34	3	34	3
Gun powder and other explosives	2	80	20	81	20	83	20	81	23	81	25
Hardware	14	2,017	211	2,024	232	2,034	238	1,987	233	1,994	238
Harness and saddlery	10	32	1	32	1	35	1	34	1	34	1
Hats, caps and furnishings	7	88	126	63	126	63	127	63	122	59	122
Ice (artificial)	4	24	1	27	1	34	1	42	1	69	2
Inks	2	16	2	16	2	16	2	16	2	16	2
Iron (structural and architectural)	13	1,349	....	1,321	....	1,379	....	1,412	....	1,394	.....
Jewelry and watches	3	8	....	8	....	8	....	9	....	9	.....
Leather and leather goods	4	81	....	83	....	79	....	77	....	76	.....
Lime, sand, cement and plaster	2	22	....	20	....	25	....	31	....	36	.....
Liquors (malt)	9	539	1	540	1	547	1	567	1	586	2
Lithographing, engraving and electrotyping	9	152	4	195	4	193	4	194	4	206	4
Macaroni	3	28	37	28	37	28	37	28	37	28	37
Machinery	44	5,228	32	5,429	32	5,597	32	5,692	32	5,900	32
Marble and granite	8	188	....	205	....	209	....	207	....	215	.....
Mattresses and pillows	3	34	47	36	50	37	49	47	54	44	58
Mouldings and frames	4	320	1	326	1	343	1	345	1	325	1
Oil and grease	8	1,485	70	1,394	65	1,360	64	1,355	61	1,414	58
Paints and varnishes	16	583	100	610	109	626	133	635	136	629	110
Patterns and models	3	80	1	88	1	93	2	88	2	81	2
Pianos and other musical instruments	2	68	1	69	1	67	1	68	1	70	1
Plating	2	19	....	19	....	19	....	19	....	19	.....
Plumbing, steam & gas fitting supplies	11	342	6	339	6	347	6	343	6	348	6
Printing and binding	52	946	351	943	356	945	355	938	344	955	349
Pumps and water wheels	2	6	....	6	....	10	....	9	....	10	.....
Roofing, (iron, steel and tin)	4	29	4	30	4	32	4	28	4	29	4
Rubber goods	3	3	13	3	13	3	13	3	14	3	14
Rugs and carpet cleaning	2	42	13	38	13	49	15	65	28	72	32
Salt	2	239	76	210	72	213	71	227	62	232	57
Sash, doors, lumber and interior finish	23	1,303	1	1,319	1	1,210	1	1,321	1	1,419	1
Slaughtering and meat packing	8	624	18	624	18	624	18	624	18	624	18
Soap, candles and tallow	6	40	2	40	2	40	2	40	2	40	2
Soda and mineral waters	10	49	....	49	....	49	....	53	....	65	2

TABLE IIIa—MANUFACTURES—CLEVELAND.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Male.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7	....	6	....	6	....	8	....	9	....	10	....	9	....	7	.....
83	76	66	71	52	43	48	19	51	17	39	14	29	15	54	40
253	320	257	311	252	314	252	316	250	320	257	317	255	327	251	314
1,568	36	1,309	33	1,257	32	1,268	34	1,383	34	1,519	44	1,639	47	1,462	34
129	....	129	....	129	....	129	....	129	....	126	....	126	....	127	.....
2,339	....	2,095	....	1,685	....	1,623	....	1,356	....	1,449	....	1,499	....	1,960	.....
307	234	307	234	307	234	307	234	307	234	307	234	307	234	307	234
62	273	61	267	60	265	61	264	60	261	62	258	60	264	61	266
424	35	420	35	416	34	427	35	429	36	413	36	405	36	408	35
549	164	545	169	562	177	568	180	564	185	550	180	547	172	549	169
455	....	533	....	592	....	591	....	576	....	519	....	438	....	476	.....
90	56	88	55	87	59	82	61	88	54	85	52	82	51	87	56
20	47	18	52	19	55	20	54	19	52	19	52	19	52	19	52
377	....	372	....	366	....	360	....	350	....	338	....	330	....	350	.....
52	4	52	4	52	4	52	4	52	....	52	....	52	....	52	3
12	330	12	337	12	380	12	331	12	311	12	289	12	282	12	310
336	646	339	711	342	738	349	768	346	765	351	802	345	749	342	663
2,098	2,647	1,936	2,685	2,147	2,783	2,410	2,953	2,555	3,048	2,480	2,969	1,950	2,641	2,154	2,746
9	8	12	8	11	7	9	7	10	6	11	6	9	6	10	6
105	41	105	41	105	41	105	39	105	40	105	40	105	40	105	40
204	208	207	207	207	210	202	206	204	218	208	231	207	225	206	209
290	1	288	1	288	1	299	1	297	1	296	1	295	1	288	1
564	22	626	20	638	20	621	19	611	19	614	18	586	19	599	20
375	1,413	403	1,522	415	1,515	400	1,432	377	1,417	376	1,388	343	1,413	387	1,446
85	5	86	5	85	5	85	5	85	5	86	5	76	5	84	5
648	4	599	4	610	4	602	4	616	4	657	4	664	4	616	4
2,267	505	2,351	570	2,237	617	2,176	596	2,127	639	1,930	638	1,849	574	2,196	544
64	....	64	....	61	....	60	....	61	....	61	....	56	....	63	.....
17	41	17	26	17	26	14	24	14	24	14	24	14	24	15	27
162	....	162	....	232	....	193	....	143	....	132	....	133	....	162	.....
58	1	58	1	58	1	57	1	58	1	57	1	57	1	57	1
10,336	447	10,145	435	10,103	439	10,157	442	9,843	449	9,380	443	8,944	437	9,989	449
251	6	234	6	242	6	259	6	268	7	266	7	275	7	241	6
804	....	803	....	794	....	815	....	861	....	792	....	787	....	783	.....
34	3	34	3	32	3	37	3	38	3	38	3	33	3	33	3
84	27	87	28	93	28	92	30	92	29	90	28	92	20	86	25
2,009	217	1,974	210	1,999	209	2,009	214	1,999	220	1,995	220	1,961	220	2,000	222
34	1	34	1	33	1	32	1	32	1	32	1	28	1	33	1
58	68	84	69	109	94	109	95	84	97	59	113	59	120	75	107
66	2	130	2	116	1	94	1	62	1	27	1	31	1	60	1
16	1	16	1	16	1	16	1	16	2	14	1	14	1	16	1
1,432	....	1,463	....	1,495	....	1,494	....	1,473	....	1,378	....	1,319	....	1,409	.....
9	....	10	....	10	....	24	....	25	....	25	....	28	....	14	.....
75	....	77	....	84	....	83	....	82	....	86	....	86	....	81	.....
37	....	37	....	39	....	43	....	45	....	32	....	24	....	33	.....
608	2	621	4	622	4	604	2	586	3	556	3	553	3	577	2
197	4	197	4	201	4	197	4	199	4	197	4	206	4	194	4
28	37	28	37	28	37	28	37	28	37	28	37	28	37	28	37
6,001	34	6,207	33	6,114	32	5,897	33	5,583	31	4,944	30	4,601	31	5,599	32
201	....	201	....	208	....	137	....	83	....	104	....	192	....	179	.....
47	51	42	51	41	46	44	51	43	51	41	43	39	43	41	50
315	1	317	1	338	1	346	1	353	1	343	1	327	1	333	1
1,526	52	1,664	49	1,691	45	1,748	57	1,781	72	1,705	77	1,607	68	1,561	62
621	94	572	85	590	82	581	82	618	80	609	84	602	85	606	98
82	2	82	....	80	....	82	....	83	....	76	1	60	1	81	1
70	1	75	2	71	2	76	2	70	2	67	2	71	2	70	2
19	....	19	....	19	....	19	....	19	....	19	....	19	....	19	.....
323	6	318	6	323	6	327	6	319	6	321	6	323	6	331	6
949	340	945	345	942	348	940	349	957	346	968	343	973	344	950	347
10	....	9	....	9	....	10	....	10	....	9	....	4	....	9	.....
26	4	31	4	38	4	36	4	41	4	38	4	28	4	32	4
3	14	3	12	3	12	3	13	3	13	3	13	3	13	3	13
60	32	54	28	53	26	54	25	49	27	49	23	45	19	53	23
221	55	248	59	230	55	194	53	210	53	260	54	287	60	230	61
1,524	1	1,504	1	1,476	1	1,520	1	1,468	1	1,433	1	1,238	1	1,395	1
624	18	624	18	624	18	624	18	624	18	624	18	624	18	624	18
40	2	40	2	40	2	40	2	40	2	40	2	40	1	40	2
69	3	76	3	76	3	69	2	56	2	56	2	59	....	60	1

TABLE III*a*—MANUFACTURES—CLEVELAND—Concluded.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Steel, iron and tin	8	6,502	56	6,520	61	6,948	60	7,023	69	7,233	71
Stencils, stamps and seals	5	14	1	14	1	14	1	14	1	14	1
Stone (cut, sawed and artificial)	5	973	....	803	....	1,090	....	1,759	....	1,939	.....
Stoves, ranges and furnaces	13	1,774	14	1,911	13	2,025	14	2,014	11	1,949	11
Tinware, sheet iron & galvanized iron-ware	18	555	20	554	19	639	20	646	19	670	23
Tools	14	1,203	70	1,216	75	1,236	75	1,260	75	1,284	74
Trunks and valises	6	73	15	76	14	81	15	99	17	97	22
Umbrellas and parasols	3	11	16	13	41	16	51	17	49	13	46
Wire rods, wire cloth and wire goods	14	860	83	867	81	889	80	918	85	922	99
Miscellaneous	29	1,869	41	1,913	39	1,950	40	1,982	42	1,986	40
Totals and averages	930	53,755	8,539	54,479	8,799	56,620	9,060	57,817	9 088	58,608	9,086

TABLE III*a*—MANUFACTURES—CLEVELAND—Concluded.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Males.	Females.	Male.	Females.	Male.	Females.	Males.	Females.	Male.	Females.	Male.	Females.	Males.	Females.
7,048	98	6,999	111	6,939	129	6,790	97	6,749	114	6,495	99	7,069	99	6,860	89
14	1	14	1	14	1	14	1	14	1	14	1	14	1	14	1
2,014	....	1,989	....	2,159	....	2,102	....	2,003	....	1,442	....	1,297	....	1,631	.....
1,850	9	1,641	9	1,758	12	1,734	11	1,687	11	1,608	11	1,538	11	1,791	11
661	21	718	19	713	36	711	67	709	97	707	106	646	106	661	46
1,318	72	1,329	72	1,321	72	1,320	72	1,314	72	1,301	72	1,319	72	1,285	73
102	17	109	20	114	20	113	19	114	22	116	23	104	21	100	19
14	40	14	36	20	35	21	40	18	42	17	40	15	28	16	39
864	94	859	92	863	99	866	96	872	97	873	93	846	87	875	90
1,963	39	1,990	40	1,951	39	1,990	40	2,032	40	2,075	39	2,023	39	1,977	40
58,666	9,033	58,190	9,268	58,141	9,518	57,891	9,565	56,899	9,749	54,487	9,652	52,979	9,197	56,544	9,213

TABLE III*b*—MANUFACTURES—COLUMBUS.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Awnings, tents and flags	4	5	4	7	7	10	8	15	14	15	17
Bicycles, bicycle sundries and automobiles	5	61	2	73	2	108	2	125	2	130	2
Billiard tables, bar and store fixtures	5	215	6	211	6	202	6	192	6	192	6
Boilers, engines and tanks	6	255	....	257	....	270	....	260	....	271	....
Boots and shoes	9	1,648	1,201	1,627	1,193	1,632	1,194	1,617	1,185	1,629	1,187
Boxes (paper)	2	31	99	31	99	31	99	31	104	31	104
Boxes (wooden)	5	70	15	70	15	66	15	62	15	59	15
Bread and other bakery products	8	175	74	174	73	174	77	186	74	186	77
Brick and tile	5	51	....	51	....	88	....	105	....	118	....
Brooms and brushes	3	13	3	15	4	14	4	13	4	13	4
Carriages and wagons	15	1,028	23	1,062	30	1,130	32	1,136	42	1,099	36
Carriage and wagon materials	7	266	20	278	20	269	20	265	20	258	20
Cigars	19	104	207	104	204	102	199	109	203	108	205
Clothing	46	222	266	223	279	237	288	242	294	242	299
Coffee, baking powder and spices	3	40	11	40	11	40	11	40	12	40	13
Confectionery	4	31	55	31	55	34	65	42	77	32	80
Copper and brass goods	2	34	....	34	....	36	....	36	....	38	....
Cotton & woolen goods (knit & woven)	2	18	50	19	53	21	56	21	58	21	56
Dairy products	3	71	....	76	....	79	....	81	....	73	....
Drugs, chemicals and druggists' sundries	8	189	150	189	151	190	149	188	148	189	149
Extracts, toilet articles and perfumery	2	2	1	2	1	2	1	3	2	3	2
Flouring mill products	5	32	....	32	....	31	....	39	....	40	....
Foundry and machine shop products	22	2,402	10	2,363	10	2,453	10	2,528	11	2,547	13
Furniture	5	127	31	130	32	135	31	157	33	167	32
Furs	2	5	6	3	6	3	10	3	9	3	9
Gas and electricity	2	150	....	152	....	147	....	153	....	153	....
Glass and glassware	3	555	91	556	85	545	91	553	91	552	91
Gloves and mittens	3	48	64	51	61	54	64	52	64	54	56
Harness and saddlery	8	83	40	83	40	83	40	84	40	84	40
Hats, caps and furnishings	5	11	33	17	77	17	86	17	98	16	81
Ice (artificial)	3	70	....	71	....	79	....	76	....	82	....
Iron (structural and architectural)	4	101	....	85	....	79	....	76	....	95	....
Jewelry and watches	3	23	3	23	3	21	3	19	2	19	2
Leather and leather goods	2	60	....	60	....	60	....	60	....	60	....
Lighting apparatuses	5	89	48	89	48	92	48	97	48	93	48
Lime, sand, cement and plaster	7	105	....	92	....	125	....	136	....	97	....
Liquors (malt)	4	420	....	409	....	422	....	250	....	498	....
Lithographing, engraving and electrotyping	5	94	3	95	3	94	3	94	3	93	3
Machinery	8	1,534	....	1,536	....	1,514	....	1,471	....	1,439	....
Paints and varnishes	4	40	5	40	5	41	5	41	6	43	8
Printing and binding	29	382	144	380	144	386	143	356	143	358	143
Roofing, (iron, steel and tin)	5	26	....	26	....	34	....	45	....	54	....
Rugs and carpet cleaning	4	27	14	22	11	35	25	34	23	37	30
Sash, doors, lumber and interior finish	13	226	....	227	....	234	....	250	....	258	....
Slaughtering and meat packing	2	18	....	17	....	17	....	17	....	16	....
Soap, candles and tallow	3	13	5	13	5	13	5	13	5	13	5
Soda and mineral waters	2	15	....	15	....	15	....	17	....	23	....
Starch	2	3	12	3	12	3	12	36	7	36	7
Steel, iron and tin	4	1,086	....	1,082	....	1,269	....	1,201	....	1,288	....
Stone (cut, sawed and artificial)	2	15	....	14	....	26	....	50	....	71	....
Stoves, ranges and furnaces	10	213	6	192	5	192	7	208	8	209	8
Tinware, sheet iron & galvanized ironware	10	197	....	189	....	200	....	196	....	203	....
Tools	6	165	....	168	....	170	....	166	....	168	....
Trunks and valises	3	34	3	34	3	33	3	34	3	34	3
Wire rods, wire cloth and wire goods	4	45	....	46	....	48	....	50	....	45	....
Miscellaneous	32	595	352	591	367	623	376	667	402	626	436
Totals and averages	394	13,538	3,057	13,480	3,120	14,028	3,188	14,015	3,256	14,321	3,287

TABLE IIIb—MANUFACTURES—COLUMBUS.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
15	17	15	15	11	13	9	8	8	8	6	7	5	6	10	10
135	2	125	2	100	2	90	2	89	2	84	2	74	2	100	2
187	6	184	6	186	6	202	6	207	6	217	6	217	6	201	6
252	....	257	....	257	....	243	....	225	....	220	....	210	....	248	.....
1,672	1,217	1,698	1,229	1,705	1,237	1,703	1,230	1,698	1,221	1,701	1,232	1,713	1,240	1,670	1,214
33	104	31	104	34	104	34	110	36	114	36	114	36	114	33	106
54	15	61	15	64	15	64	15	70	15	65	15	57	15	64	15
191	80	189	75	189	76	190	79	189	82	190	77	188	77	185	77
143	....	144	....	137	....	145	....	157	....	147	....	59	....	112	.....
13	5	13	4	13	4	13	3	12	2	12	3	11	3	13	3
1,107	31	985	33	896	30	825	27	801	28	824	20	821	21	976	29
246	20	220	20	206	18	201	15	207	13	221	12	265	20	242	18
106	205	104	209	107	211	106	209	106	207	107	203	101	201	105	205
242	308	225	287	206	269	239	297	244	297	243	298	241	299	234	290
40	11	40	11	40	11	40	11	40	13	40	13	40	13	40	12
46	89	51	89	49	85	67	98	79	109	91	114	85	107	53	85
38	....	36	....	36	....	40	....	40	....	39	....	36	....	37	.....
21	64	21	68	21	59	21	59	18	55	4	41	4	38	18	55
77	....	72	....	71	....	64	....	68	....	71	....	67	....	73	.....
189	147	188	147	183	149	188	153	184	155	184	153	156	151	185	150
3	2	3	1	2	1	2	1	3	2	3	2	2	....	2	1
39	....	39	....	49	....	39	....	41	....	38	....	39	....	38	.....
2,581	14	2,457	9	2,535	8	2,586	11	2,293	10	1,988	9	1,350	7	2,340	10
180	33	169	33	169	33	162	32	159	35	165	36	169	42	157	34
5	9	5	9	5	9	5	16	5	19	5	19	5	19	4	12
158	....	168	....	168	....	168	....	165	....	162	....	165	....	159	.....
547	91	457	71	454	71	550	91	553	91	559	91	566	91	537	87
50	59	32	52	42	49	29	36	33	38	29	33	28	31	42	51
82	35	82	35	82	35	84	40	83	40	82	40	82	40	83	39
12	40	12	24	17	72	17	87	17	93	15	57	14	46	15	66
93	....	103	....	90	....	90	....	74	....	71	....	101	....	83	....
106	....	108	....	113	....	113	....	112	....	110	....	105	....	100	.....
17	2	14	....	14	....	15	....	17	2	20	3	23	4	19	2
60	....	60	....	55	....	55	....	55	....	55	....	55	....	58	.....
91	42	86	40	83	35	89	35	90	35	98	75	97	75	91	48
97	1	80	1	87	1	99	1	102	1	86	1	49	...	96	1
545	....	574	....	541	....	506	....	500	....	470	....	453	....	466	.....
96	3	94	3	94	3	93	3	92	3	93	3	94	3	94	3
1,462	....	1,475	....	1,463	....	1,433	....	1,422	....	1,358	....	1,332	....	1,453	.....
42	5	33	3	34	3	34	3	35	3	34	3	41	4	38	4
357	142	352	133	404	135	409	149	410	145	407	148	413	154	385	144
61	....	60	....	57	....	61	....	60	....	59	....	28	....	48	.....
36	22	33	21	31	20	31	20	32	21	26	16	28	16	31	20
273	....	276	....	271	....	271	....	265	....	250	....	242	..	254	.....
16	....	16	....	16	....	18	....	19	....	20	....	20	....	17	.....
13	5	13	5	13	5	13	5	13	5	13	5	13	5	13	5
25	....	24	....	23	....	20	....	17	....	17	....	16	....	19	.....
36	10	36	10	38	12	38	12	40	12	41	12	34	12	29	11
1,438	....	1,211	....	1,304	....	811	....	491	....	409	....	375	....	997	.....
65	....	62	....	75	....	81	....	85	....	55	....	22	....	52	.....
232	9	247	12	251	12	259	12	260	11	248	11	233	8	229	9
223	....	214	....	208	....	218	....	220	....	217	....	215	....	208	.....
169	....	171	....	174	....	171	....	171	....	171	....	167	....	169	.....
35	3	35	3	35	3	35	3	36	3	36	3	36	3	35	3
48	....	46	....	47	....	46	....	36	....	36	....	38	....	44	.....
663	450	666	437	826	398	836	428	650	447	637	423	630	416	667	411
14,763	3,298	14,172	3,216	14,381	3,194	13,971	3,307	13,134	3,343	12,585	3,300	11,666	3,289	13,671	3,238

TABLE III*c*—MANUFACTURES—CINCINNATI.

Industries.	No. of Establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs	3	76	80	77	81	78	88	79	89	78	88
Awnings, tents and flags	7	74	84	74	88	78	121	78	123	96	146
Bags (paper and burlap)	5	84	87	86	89	85	90	87	89	86	88
Bicycles, bicycle sundries and automobiles	2	7	.....	7	.....	7	.....	7	.....	7	.....
Billiard tables, bar and store fixtures	11	386	2	395	2	417	2	421	2	407	2
Boilers, engines and tanks	9	362	.....	368	.....	387	.....	397	.....	395	.....
Boots and shoes	27	4,147	2,804	4 118	2,792	4,096	2,773	3,986	2,759	4,002	2,758
Boxes (paper)	7	78	426	78	426	78	426	78	429	78	427
Boxes (wooden)	11	312	103	304	89	308	101	307	103	314	101
Bread and other bakery products	26	669	387	685	451	704	445	686	429	697	426
Brick and tile	9	38	.....	43	.....	111	.....	198	.....	222	.....
Brooms and brushes	9	112	7	112	7	113	7	115	7	116	7
Bungs	3	151	.....	148	.....	146	.....	144	.....	144	.....
Carriages and wagons	51	1,860	101	1,968	107	2,066	111	2,138	116	2,155	114
Carriage and wagon materials	16	509	8	516	8	521	8	536	8	563	9
Cigars	57	1,101	1,803	1,100	1,834	1,098	1,849	1,107	1,865	1,138	1,855
Clothing	187	2,739	3,725	2,800	3,876	2,927	4,051	2,876	4,026	2,867	3,832
Coffee, baking powder and spices	8	64	57	65	58	65	69	66	72	65	70
Coffins and burial cases	4	516	73	537	75	532	75	528	79	524	78
Confectionery	14	260	248	244	262	239	250	242	255	250	261
Cooperage	10	630	.....	688	.....	708	.....	728	.....	644	.....
Copper and brass goods	21	1,053	66	1,053	67	1,070	65	1,045	62	1,055	62
Cotton & woolen goods (knit & woven)	8	114	288	114	288	118	288	117	280	73	251
Drugs, chemicals and druggists' sundries	20	216	65	218	65	223	65	221	65	220	65
Electrical goods and supplies	12	935	45	893	46	944	46	907	46	934	39
Elevators and hoisting machinery	5	172	.....	174	.....	173	.....	172	.....	165	.....
Extracts, toilet articles and perfumery	5	17	10	17	10	17	10	17	12	17	12
Fertilizers	2	70	.....	72	.....	95	.....	93	.....	68	.....
Flouring mill products	2	27	5	27	5	27	5	27	5	27	5
Foundry and machine shop products	28	2,016	1	2,028	1	2,065	1	2,086	1	2,056	1
Furniture	47	2,062	168	2,082	169	2,116	182	2,120	178	2,120	183
Glass and glassware	6	654	103	656	103	666	103	666	116	661	112
Hardware	4	225	1	219	1	230	2	235	2	229	2
Harness and saddlery	11	387	6	396	7	395	7	390	6	400	5
Hats, caps and furnishings	14	97	477	102	588	101	575	102	521	100	479
Ice (artificial)	6	33	.....	34	.....	41	.....	47	.....	51	.....
Inks	3	126	.....	126	.....	126	.....	126	.....	126	.....
Iron (structural and architectural)	8	565	.....	552	.....	547	.....	581	.....	608	.....
Jewelry and watches	14	156	26	156	26	156	26	156	26	155	26
Leather and leather goods	14	1,078	3	1,091	3	1,104	3	1,089	3	1,110	3
Liquors (distilled)	15	427	259	426	257	434	247	467	252	465	252
Liquors (malt)	21	1,244	1	1,248	1	1,278	1	1,303	2	1,340	2
Lithographing, engraving and electrotyping	20	777	52	784	46	788	45	792	45	785	46
Machinery	57	2,424	1	2,447	1	2,484	1	2,515	1	2,565	1
Malt	3	68	.....	68	.....	68	.....	63	.....	63	.....
Marble and granite	6	192	.....	191	.....	192	.....	194	.....	195	.....
Mattresses and pillows	6	76	54	76	61	82	79	89	75	91	91
Mouldings and frames	9	432	9	483	13	506	15	515	22	516	22
Oil cloth and window shade cloth	2	34	38	34	38	34	38	34	38	34	38
Oil and grease	8	211	.....	212	.....	213	.....	213	.....	207	.....
Paints and varnishes	14	292	5	293	5	304	5	301	5	308	5
Patterns and models	8	65	8	67	8	64	8	55	6	61	6
Pianos and other musical instruments	3	357	7	352	7	354	7	345	7	351	7
Pickles, preserves and sauces	6	137	172	128	159	131	174	136	143	121	176
Plating	2	212	3	212	3	212	3	202	3	202	2
Plumbing, steam and gas fitting supplies	6	394	1	390	4	393	1	410	4	395	4
Pottery and stoneware	2	31	29	31	29	31	29	31	29	47	31
Printing and binding	88	2,278	1,356	2,260	1,365	2,198	1,294	2,243	1,325	2,266	1,370
Printers' rollers	2	5	.....	5	.....	5	.....	5	.....	5	.....
Pumps and water wheels	4	542	9	576	9	592	9	600	9	605	12
Regalia	8	47	204	47	196	56	225	60	260	60	263
Roofing (iron, steel and tin)	7	73	2	77	2	76	2	76	4	75	4
Safes, vaults and locks	6	582	.....	585	.....	582	.....	583	.....	579	.....
Sash, doors, lumber and interior finish	23	956	.....	950	.....	968	.....	986	.....	952	.....
Slaughtering and meat packing	17	801	20	719	18	682	16	667	14	667	16
Soap, candles and tallow	18	1,199	598	1,206	596	1,225	609	1,209	615	1,135	591
Soda and mineral waters	12	74	.....	74	.....	76	.....	83	.....	90	.....
Stencils, stamps and seals	5	56	7	56	7	56	7	56	7	56	7
Stone (cut, sawed and artificial)	4	140	.....	105	.....	139	.....	173	.....	244	.....
Stoves, ranges and furnaces	13	705	4	688	4	696	4	669	4	682	2
Tinware, sheet iron & galvanized ironware	22	531	91	513	90	549	109	580	111	574	111

TABLE III*c*—MANUFACTURES—CINCINNATI.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
77	89	76	87	76	81	77	83	77	83	77	83	77	83	77	85
93	145	91	142	85	129	81	123	74	114	78	121	82	114	82	121
89	91	90	91	90	91	89	93	91	91	89	92	90	91	88	90
7	.....	7	.....	7	.....	7	.....	7	.....	7	.....	7	.....	7	.....
395	2	412	2	407	2	419	2	412	2	419	2	418	2	409	2
384	.....	420	.....	441	.....	441	.....	437	.....	395	.....	380	.....	401	.....
3,995	2,773	4,095	2,835	4,083	2,855	4,095	2,821	4,046	2,779	4,026	2,752	4,078	2,802	4,064	2,792
78	425	78	425	78	425	78	430	81	417	81	437	81	437	79	427
312	104	315	101	283	103	300	102	328	104	323	107	319	109	310	102
714	438	731	416	730	477	742	504	735	507	775	502	725	473	716	455
223	.....	223	.....	204	.....	204	.....	169	.....	51	.....	40	.....	144	.....
114	7	111	7	109	7	111	7	114	10	111	9	110	6	112	7
152	.....	149	.....	145	.....	138	.....	141	.....	139	.....	138	.....	145	.....
2,131	110	1,988	102	1,740	87	1,658	87	1,645	88	1,632	87	1,701	92	1,890	100
572	8	574	8	553	7	533	5	489	5	481	7	540	7	532	7
1,123	1,882	1,133	1,868	1,095	1,857	1,116	1,866	1,184	1,897	1,139	1,912	1,128	1,858	1,122	1,862
2,784	3,783	2,680	3,679	2,745	3,718	2,884	3,930	2,896	3,943	2,837	3,930	2,669	3,526	2,809	3,835
63	67	60	66	60	67	62	64	65	65	67	75	66	73	64	67
513	77	523	77	547	80	556	77	557	80	493	83	546	83	531	78
270	267	272	268	280	305	319	337	325	347	324	346	309	328	278	289
606	.....	561	.....	601	.....	603	.....	656	.....	667	.....	659	.....	646	.....
1,034	54	1,032	53	1,023	55	1,025	55	1,009	57	936	52	890	50	1,019	58
73	259	108	289	107	283	107	290	108	288	108	288	104	280	104	281
220	65	223	65	224	65	222	65	223	65	223	65	223	65	221	65
932	42	935	45	964	48	918	50	829	45	785	46	808	41	899	45
165	.....	164	.....	160	.....	165	.....	159	.....	151	.....	155	.....	165	.....
17	12	17	12	17	12	17	12	17	12	17	10	17	10	17	11
68	.....	78	.....	91	.....	145	.....	107	.....	98	.....	86	.....	89	.....
27	5	27	5	27	5	27	5	27	5	27	5	27	5	27	5
2,059	1	2,009	1	1,980	1	1,903	1	1,785	1	1,702	1	1,640	1	1,944	1
2,094	187	2,034	191	2,097	197	2,136	199	2,154	197	2,126	180	2,077	175	2,102	184
615	93	618	93	667	117	671	115	622	93	607	87	607	87	643	102
227	1	197	1	180	1	205	1	222	1	213	1	215	1	216	1
404	5	400	7	401	7	407	5	412	6	400	7	396	5	399	6
98	357	99	374	100	520	99	600	97	469	98	377	99	421	99	480
61	.....	63	.....	63	.....	60	.....	51	.....	38	.....	32	.....	48	.....
126	.....	126	.....	126	.....	126	.....	126	.....	126	.....	126	.....	126	.....
622	.....	715	.....	737	.....	746	.....	736	.....	698	.....	624	.....	644	.....
156	26	157	26	158	26	159	26	162	26	162	25	162	25	158	26
1,124	3	1,148	4	1,145	4	1,132	4	1,113	4	1,086	4	1,083	4	1,109	3
435	332	431	338	426	328	428	323	435	323	451	298	436	253	438	289
1,380	2	1,405	2	1,388	2	1,351	2	1,309	2	1,265	1	1,210	1	1,310	2
783	45	797	45	801	45	804	45	802	46	806	47	808	47	794	46
2,604	1	2,592	1	2,622	1	2,589	1	2,517	1	2,434	1	2,404	1	2,516	1
3	.....	.....	.....	.....	.....	32	.....	68	.....	68	.....	68	.....	47	.....
194	.....	192	.....	193	.....	189	.....	190	.....	190	.....	188	.....	192	.....
96	104	94	106	97	111	100	106	102	107	103	112	103	107	92	93
483	22	467	22	505	22	517	28	526	27	534	25	502	21	499	21
34	38	34	38	34	38	34	38	34	38	34	38	34	38	34	38
193	.....	202	.....	204	.....	206	.....	227	.....	220	.....	212	.....	210	.....
307	5	308	5	302	5	297	5	297	5	290	5	291	5	299	5
63	6	63	6	65	9	68	9	69	10	70	10	66	10	65	8
341	6	351	6	370	7	369	8	388	9	396	9	387	7	363	7
130	195	112	184	157	210	219	261	225	269	220	275	181	221	158	203
202	2	212	2	212	2	247	2	242	2	237	2	222	2	218	2
426	4	461	4	451	5	461	4	427	1	444	1	429	2	423	3
47	31	43	31	35	30	31	29	31	29	31	29	31	29	35	30
2,260	1,379	2,265	1,372	2,288	1,387	2,297	1,399	2,301	1,408	2,294	1,405	2,296	1,401	2,271	1,372
5	.....	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
622	12	619	13	645	12	664	12	702	12	719	12	716	13	634	11
60	259	54	222	57	210	57	224	61	223	60	220	60	208	57	226
73	4	79	2	77	2	78	3	79	1	76	2	76	2	76	2
602	.....	594	.....	611	.....	605	.....	613	.....	610	.....	609	.....	596	.....
975	.....	966	.....	971	.....	979	.....	979	.....	951	.....	938	.....	964	.....
668	15	731	10	661	8	671	6	744	6	790	18	848	22	721	14
1,151	594	1,155	612	1,146	583	1,173	610	1,242	653	1,255	656	1,217	622	1,193	612
92	.....	93	.....	91	.....	89	.....	79	.....	74	.....	74	.....	82	.....
56	7	55	7	55	7	55	7	55	7	55	7	54	7	55	7
382	.....	290	.....	293	.....	299	.....	246	.....	187	.....	120	.....	218	.....
669	2	674	2	728	2	753	2	775	2	770	3	738	3	712	3
569	105	581	116	586	128	582	122	584	120	563	120	520	116	561	112

TABLE III*c*—MANUFACTURES—CINCINNATI—Concluded.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Tobacco (chewing and smoking)	5	78	113	77	112	81	113	79	113	79	110
Tools	34	2,360	.....	2,356	.....	2,343	.....	2,375	.....	2,390	.....
Trunks and valises	7	110	13	110	13	114	13	116	14	120	14
Wire rods, wire cloth and wire goods	4	55	.....	55	.....	55	.....	57	.....	57	.....
Miscellaneous	41	1,975	218	2,005	218	2,006	229	1,991	233	1,989	233
Totals and averages	1,214	44,118	14,533	44,329	14,886	45,045	15,127	45,274	15,115	45,394	14,923

TABLE III*c*—MANUFACTURES—CINCINNATI—Concluded.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males	Females.
81	111	79	110	80	111	78	111	79	110	81	111	77	109	79	111
2,380	.....	2,384	.....	2,342	.....	2,301	.....	2,233	.....	2,094	.....	2,028	.....	2,299	.....
122	14	127	15	135	14	135	13	132	13	128	13	120	13	122	14
57	.....	58	.....	58	.....	59	.....	59	.....	61	.....	61	.....	58	.....
1,955	234	1,936	234	1,967	239	1,987	239	2,055	247	2,039	249	2,037	231	1,995	234
45,317	14,907	45,246	14,845	45,284	15,150	45,592	15,568	45,400	15,472	44,417	15,362	43,700	14,745	44,926	15,053

TABLE III*d*—MANUFACTURES—DAYTON.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Male.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Male.	Females.
Advertising novelties and signs	2	53	9	53	9	60	9	60	9	60	9
Agricultural implements	4	549	....	534	....	495	....	480	....	391	.....
Awnings, tents and flags	3	5	4	6	4	7	9	7	10	7	12
Boilers, engines and tanks	6	522	....	523	....	532	....	537	....	539	.....
Boxes (paper)	5	170	328	168	322	170	347	157	341	172	357
Boxes (wooden)	4	107	69	99	69	101	69	98	69	108	73
Bread and other bakery products	6	72	27	72	25	75	29	73	28	72	34
Brick and tile	5	19	....	19	....	25	....	64	....	89	.....
Brooms and brushes	3	7	1	7	1	7	1	9	1	7	1
Carriages and wagons	9	172	2	174	2	174	2	176	2	176	2
Carriage and wagon materials	3	253	....	234	....	223	....	212	....	211	.....
Cigars	20	179	529	191	535	183	555	188	556	195	554
Clothing	23	63	256	92	274	118	262	121	265	121	275
Coffee, baking powder and spices	3	40	46	40	46	40	46	40	46	40	46
Confectionery	2	2	5	2	5	2	5	2	5	5	5
Dairy products	2	42	1	44	1	46	1	43	1	47	1
Drugs, chemicals and druggists' sundries	2	4	17	4	15	4	15	4	18	5	24
Electrical goods and supplies	4	95	6	100	6	108	6	111	6	111	6
Extracts, toilet articles and perfumery	2	12	13	14	14	15	16	16	20	16	25
Flouring mill products	4	51	....	51	....	51	....	51	....	51	.....
Foundry and machine shop products	20	5,915	546	6,117	544	6,355	541	6,835	563	6,710	537
Furniture	6	454	1	450	1	466	1	492	1	486	1
Glass and glassware	2	14	....	15	....	15	....	15	....	16	.....
Harness and saddlery	2	15	....	15	....	15	....	15	....	15	.....
Iron (structural and architectural)	2	18	....	18	....	20	....	23	....	23	.....
Liquors (malt)	7	140	....	142	....	147	....	146	....	151	.....
Machinery	12	1,789	13	2,823	13	2,790	13	2,833	13	2,859	13
Mattresses and pillows	2	13	5	19	7	23	8	26	9	26	9
Paints and varnishes	4	65	20	65	20	65	20	66	20	65	20
Patterns and models	2	9	....	11	....	15	....	18	....	16	.....
Printing and binding	20	306	166	309	168	311	179	332	180	326	185
Sash, doors, lumber and interior finish	5	331	....	336	....	335	....	362	....	366	.....
Slaughtering and meat packing	2	89	....	85	....	82	....	81	....	81	.....
Soap, candles and tallow	6	127	14	126	12	127	12	127	12	114	12
Soda and mineral waters	3	8	....	8	....	9	....	9	....	10	.....
Stoves, ranges and furnaces	4	228	....	249	....	246	....	229	....	231	.....
Strawboards and paper	5	246	47	248	47	248	47	243	47	247	47
Tinware, sheet iron & galvanized ironware	3	42	....	43	....	43	....	44	....	46	.....
Tobacco (chewing and smoking)	4	91	161	76	152	78	187	76	173	70	164
Tools	5	51	....	53	....	55	....	54	....	54	.....
Miscellaneous	27	750	78	760	100	762	93	777	109	789	109
Totals and averages	255	13,118	2,364	14,395	2,392	14,643	2,473	15,252	2,504	15,124	2,521

TABLE IIId—MANUFACTURES—DAYTON.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge.	
Males.	Females.	Male.	Females.	Males.	Females.	Males.	Females.	Male.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
69	9	71	9	69	9	63	9	58	9	57	9	54	9	61	9
324	....	224	....	172	....	216	....	277	....	349	....	440	....	371	.....
7	12	7	12	7	9	6	8	6	7	5	5	5	5	6	8
544	....	540	....	536	....	539	....	529	....	533	....	500	....	531	.....
176	368	186	418	194	423	203	402	202	400	208	396	190	365	183	372
124	75	112	75	112	75	107	72	98	70	97	70	88	70	104	71
72	40	76	31	73	31	72	28	69	32	74	34	75	39	73	31
94	....	94	....	94	....	89	....	54	....	25	....	19	....	57	.....
7	1	8	1	8	1	7	1	7	1	8	1	8	1	8	1
167	2	160	1	157	1	148	1	166	1	171	1	171	1	168	1
219	....	199	....	194	....	189	....	206	....	228	....	234	....	217	.....
201	602	192	653	207	674	209	684	209	726	211	720	173	643	195	619
120	267	78	229	61	228	121	252	121	253	121	265	117	253	105	257
40	46	40	46	40	46	40	46	40	46	40	46	40	46	40	46
5	5	5	5	5	5	5	5	5	5	2	5	2	5	3	5
44	1	46	1	47	1	44	1	46	1	47	1	47	1	45	1
6	14	6	31	7	34	7	18	5	32	5	38	5	20	5	23
111	6	102	2	98	4	94	6	91	6	92	6	94	6	101	6
16	20	16	18	16	18	14	18	14	17	13	16	13	15	14	18
51	....	51	....	51	....	51	....	51	....	51	....	51	....	51	.....
6,273	476	6,115	483	5,845	490	5,975	492	6,067	505	5,719	479	5,523	478	6,121	511
483	1	490	1	481	1	484	1	510	1	488	1	511	1	483	1
16	....	14	....	13	....	12	....	12	....	12	....	12	....	14	.....
16	....	16	....	16	....	15	....	15	....	15	....	15	....	15	.....
23	....	24	....	23	....	23	....	22	....	21	....	19	....	21	.....
163	....	172	....	170	....	165	....	157	....	150	....	137	....	153	.....
2,937	13	3,021	13	3,036	13	3,220	13	3,121	13	3,028	13	2,986	13	2,870	13
24	8	15	5	21	7	26	9	26	9	23	9	22	6	22	8
64	20	54	15	56	15	66	20	65	20	64	20	63	20	63	19
16	....	14	....	16	....	14	....	13	....	14	....	14	....	14	.....
327	207	324	201	321	205	326	205	326	208	333	201	342	212	323	193
379	....	403	....	402	....	413	....	432	....	404	....	374	....	378	.....
82	....	86	....	86	....	88	....	86	....	88	....	97	....	86	.....
116	13	114	13	89	23	90	23	90	24	91	24	91	24	109	17
10	...	11	....	10	....	10	....	9	....	9	....	9	....	9	.....
239	....	249	....	272	....	293	....	287	....	272	....	244	....	253	.....
251	47	249	47	254	47	248	52	249	52	248	47	240	47	248	48
49	....	48	....	52	....	44	....	48	....	47	....	47	....	46	.....
69	162	75	170	81	170	79	161	68	156	64	146	54	161	74	164
55	....	54	....	52	....	52	....	52	....	53	....	52	....	53	.....
810	118	858	122	837	102	818	105	799	101	721	104	725	90	784	103
14,799	2,533	14,619	2,602	14,281	2,632	14,685	2,632	14,708	2,695	14,201	2,657	13,903	2,531	14,477	2,545

TABLE III*e*—MANUFACTURES—TOLEDO.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Male.	Females.	Males.	Females.	Male.	Females.	Males.	Females.	Males.	Females.
Agricultural implements	2	35	....	38	....	33	....	26	....	23	.....
Awnings, tents and flags	3	21	44	20	48	25	51	30	50	33	53
Bath cabinets	2	12	39	12	39	12	34	10	34	10	29
Bicycles, bicycle sundries and automobiles	5	1,403	66	1,483	68	1,504	64	1,468	56	1,356	52
Billiard tables, bar and store fixtures	2	149	....	149	....	149	....	149	....	149	.....
Boilers, engines and tanks	6	586	....	588	....	592	....	606	....	603	.....
Boxes (paper)	3	15	28	15	25	16	26	16	26	16	26
Boxes (wooden)	4	67	7	70	7	77	8	84	8	94	8
Bread and other bakery products	10	150	84	150	72	149	77	148	82	150	83
Brick and tile	10	177	....	171	....	208	....	346	....	447	.....
Brooms and brushes	6	174	83	170	90	177	92	182	90	176	77
Carriages and wagons	11	479	2	489	2	506	2	533	2	540	2
Carriage and wagon materials	5	269	2	285	3	284	3	285	3	290	3
Chewing gum	2	3	21	3	21	3	21	3	21	3	21
Cigars	14	79	14	79	11	81	11	82	11	81	11
Clothing	37	249	703	250	740	263	834	235	799	242	766
Coffee, baking powder and spices	2	69	140	51	98	64	111	51	110	54	94
Cooperage	3	45	....	45	....	45	....	45	....	45	.....
Copper and brass goods	2	16	....	16	....	16	....	16	....	16	.....
Cotton & woolen goods (knit & woven)	3	10	185	10	185	10	210	10	240	10	265
Drugs, chemicals, and druggists' sundries	7	26	19	26	19	25	20	27	20	27	20
Electrical goods and supplies	4	143	2	157	12	160	12	157	14	164	25
Extracts, toilet articles and perfumery	3	3	4	3	4	3	4	3	4	3	4
Flouring mill products	9	289	2	287	2	307	3	290	3	286	4
Foundry and machine shop products	17	2,097	5	2,157	10	2,308	21	2,234	26	2,201	29
Furniture	11	397	5	406	8	410	8	424	9	414	8
Gas and electricity	2	141	....	128	....	108	....	174	....	161	.....
Glass and glassware	3	1,034	223	1,034	223	1,034	223	1,035	223	1,035	223
Harness and saddlery	2	20	....	20	....	20	....	18	....	14	.....
Hats, caps and furnishings	2	7	5	7	5	7	5	7	6	7	6
Iron (structural and architectural)	2	606	....	586	....	530	....	657	....	586	.....
Lime, sand, cement and plaster	4	24	....	24	....	30	....	34	....	45	.....
Liquors (distilled)	2	19	....	21	....	21	....	21	....	21	.....
Liquors (malt)	6	218	....	219	....	224	....	222	....	233	.....
Machinery	11	873	....	907	....	734	....	937	....	930	.....
Marble and granite	2	27	....	25	....	29	....	28	....	29	.....
Mattresses and pillows	2	12	5	13	5	11	5	13	7	12	7
Oil and grease	4	221	....	208	....	224	....	209	....	194	.....
Paints and varnishes	3	23	1	24	1	26	1	26	1	26	1
Pickles, preserves and sauces	2	9	4	8	4	8	4	12	4	16	10
Printing and binding	19	200	57	207	61	217	62	209	61	210	62
Pumps and water wheels	3	25	....	25	....	25	....	25	....	25	.....
Sash, doors, lumber and interior finish	15	359	....	370	....	384	....	406	....	416	.....
Soap, candles and tallow	2	13	14	13	14	13	15	14	18	14	18
Soda and mineral waters	3	48	....	48	....	48	....	50	....	53	.....
Steel, iron and tin	3	612	....	571	....	427	....	395	....	357	.....
Stencils, stamps and seals	3	7	1	7	1	7	1	7	1	7	.....
Stone (cut, sawed and artificial)	3	21	....	26	....	93	....	114	....	111	.....
Stoves, ranges and furnaces	2	36	....	34	....	36	....	38	....	43	.....
Tinware, sheet iron & galvanized ironware	13	391	65	398	70	408	77	393	92	399	93
Tools	3	19	....	17	....	18	....	19	....	19	.....
Wire rods, wire cloth and wire goods	2	23	....	24	....	25	....	28	....	28	.....
Miscellaneous	23	437	142	468	137	478	137	479	143	474	148
Totals and averages	324	12,388	1,972	12,562	1,985	12,812	2,142	13,030	2,164	12,898	2,148

TABLE III*e*—MANUFACTURES—TOLEDO.

June.		July.		August.		September.		October.		November.		December.		Monthly Av'ge	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
20	....	23	....	43	....	44	....	47	....	50	....	51	....	36	.....
33	53	28	51	22	49	21	38	20	36	20	38	20	38	24	46
10	29	10	14	13	14	13	14	13	19	12	19	11	19	12	25
1,320	45	1,270	43	1,290	38	1,365	42	1,464	41	1,576	41	1,760	48	1,438	50
149	....	149	....	149	....	149	....	149	....	149	....	149	....	149	.....
601	....	647	....	578	....	415	....	392	....	373	....	459	....	537	.....
16	24	16	24	16	24	16	26	16	28	16	28	16	30	16	26
91	8	90	8	82	8	77	8	75	8	78	8	82	7	81	7
152	84	166	94	174	96	175	96	168	89	166	89	160	85	159	85
441	....	461	....	446	....	441	....	327	....	224	....	168	....	321	.....
172	78	158	79	180	78	178	83	184	83	184	88	189	90	177	84
551	2	548	2	547	2	542	2	521	2	503	2	475	2	520	2
293	3	288	3	286	3	285	2	275	2	279	2	278	1	283	3
2	21	2	21	2	21	2	21	2	21	2	21	2	21	2	21
81	11	83	11	82	12	76	12	81	12	81	12	75	12	80	12
249	819	211	798	268	863	297	878	306	868	241	693	225	646	253	784
54	71	54	78	54	75	58	83	59	99	58	87	59	116	57	97
45	....	45	....	45	....	45	....	45	....	45	....	45	....	45	.....
16	....	16	....	16	....	16	....	16	....	16	....	16	....	16	.....
10	273	10	270	10	270	10	285	10	255	10	244	10	185	10	239
31	20	31	21	31	20	33	21	31	21	26	26	29	24	29	21
170	22	175	23	176	25	192	31	204	32	197	46	188	42	174	24
3	4	3	4	3	4	2	4	2	5	2	5	2	5	3	4
310	4	298	2	321	2	298	1	298	....	296	....	232	....	293	2
2,230	37	1,966	44	2,074	49	1,912	43	2,067	42	1,663	21	1,410	18	2,027	29
402	5	385	5	417	8	435	10	441	10	429	7	406	5	414	7
143	....	113	....	116	....	105	....	115	....	119	....	123	....	129	.....
968	140	832	75	832	75	832	75	1,036	223	1,035	223	1,035	223	978	179
12	....	12	....	14	....	17	....	17	....	20	....	20	....	17	.....
7	6	7	5	7	5	7	6	7	6	7	6	7	5	7	6
604	....	608	....	609	....	635	....	523	....	511	....	498	....	579	.....
45	....	41	....	43	....	46	....	44	....	36	....	27	....	39	.....
20	....	18	....	17	....	18	....	23	....	22	....	19	....	20	.....
239	....	239	....	237	....	236	....	229	....	230	....	229	....	230	.....
932	....	943	....	929	....	954	....	929	....	871	....	857	....	916	.....
27	....	25	....	25	....	28	....	25	....	25	....	27	....	26	.....
12	7	9	8	12	6	12	7	11	8	11	8	10	5	11	6
188	....	201	....	199	....	201	....	205	....	215	....	230	....	208	.....
25	1	22	1	22	1	22	1	22	1	22	1	22	1	23	1
16	14	16	14	20	4	23	24	23	29	17	27	17	14	15	13
210	64	206	63	211	62	215	63	213	63	199	65	188	62	207	62
25	....	25	....	25	....	65	....	66	....	65	....	65	....	38	.....
407	....	415	....	407	....	400	....	395	....	370	....	357	....	391	.....
19	11	16	22	13	12	13	12	13	11	12	10	12	10	14	14
53	....	56	....	54	....	54	....	51	....	49	....	49	....	51	.....
653	....	670	....	546	....	535	....	511	....	464	....	413	....	513	.....
7	....	7	....	7	....	7	....	7	1	7	1	7	1	7	1
114	....	120	....	117	....	123	....	116	....	110	....	33	....	91	.....
46	....	50	....	52	....	54	....	52	....	52	....	50	....	45	.....
468	97	501	92	485	93	470	102	450	109	401	109	407	96	431	91
18	....	18	....	17	....	17	....	17	....	17	....	17	....	18	.....
26	....	26	....	26	....	26	....	24	....	23	....	23	....	25	....
469	148	478	135	485	146	480	144	503	144	492	139	468	148	476	142
13,205	2,101	12,807	2,010	12,852	2,065	12,690	2,134	12,840	2,268	12,098	2,066	11,727	1,959	12,659	2,084

TABLE III*f*—MANUFACTURES—CITIES.

Industries.	No. of establishments reported.	January.		February.		March.	
		Males.	Females.	Male.	Females.	Male.	Females.
Advertising novelties and signs	9	450	263	457	255	456	264
Agricultural implements	30	4,214	111	3,723	96	4,101	98
Awnings, tents and flags	3	2	1	2	7	4	8
Baskets	3	19	.....	17	.....	15	.....
Bicycles, bicycle sundries and automobiles	9	396	23	444	25	465	27
Billiard tables, bar and store fixtures	5	60	.....	60	.....	60	.....
Boilers, engines and tanks	71	7,641	1	7,805	1	7,878	1
Boots and shoes	19	2,574	1,617	2,563	1,618	2,538	1,610
Boxes (paper)	7	41	198	41	201	41	199
Boxes (wooden)	11	176	63	178	65	196	67
Bread and other bakery products	121	560	174	559	177	560	184
Brick and tile	108	3,485	386	3,443	355	3,799	331
Brooms and brushes	19	283	40	288	39	289	41
Canned goods	13	86	53	87	53	110	59
Carriages and wagons	115	2,101	53	2,266	60	2,357	62
Carriage and wagon materials	34	1,457	67	1,557	90	1,595	104
Cars and car furnishings	3	551	.....	532	.....	498	.....
Chewing gum	4	11	54	11	56	11	60
Churns	3	9	.....	9	.....	9	.....
Cigars	170	736	1,573	741	1,591	747	1,638
Clothing	223	650	1,566	660	1,619	732	1,678
Clothes wringers and washboards	3	12	.....	12	.....	14	.....
Coffee, baking powder and spices	5	3	3	3	3	3	4
Coffins and burial cases	4	210	47	207	45	213	49
Confectionery	25	64	58	68	60	69	69
Cooperage	28	500	.....	534	.....	568	.....
Copper and brass goods	10	349	18	370	18	394	18
Cordage and twine	3	819	93	668	86	706	97
Cotton & woolen goods (knit & woven)	19	252	761	254	785	263	801
Cutlery and edge tools	5	488	90	253	62	323	64
Dairy products	8	56	.....	56	.....	57	.....
Dental and surgical chairs	3	114	.....	118	.....	118	.....
Drugs, chemicals and druggists' sundries	33	90	28	87	28	90	28
Electrical goods and supplies	26	902	690	925	701	933	707
Elevators and hoisting machinery	2	.....	.....	1	.....	1	.....
Extracts, toilet articles and perfumery	7	73	31	93	50	95	41
Fertilizers	9	77	.....	77	.....	91	.....
Fireworks	2	28	37	28	36	25	43
Flouring mill products	103	1,355	319	1,344	275	1,294	250
Foundry and machine shop products	110	5,596	57	5,549	55	5,609	55
Furniture	39	2,123	50	2,183	51	2,235	50
Gas and electricity	78	1,070	1	1,077	1	1,070	1
Glass works supplies	4	210	18	206	17	208	16
Glass and glassware	24	4,926	403	4,989	407	5,010	398
Gloves and mittens	10	76	398	80	403	77	409
Gun powder and othe; explosives	7	192	.....	198	.....	206	.....
Handles	10	242	.....	246	.....	241	.....
Hardware	12	912	127	937	150	966	158
Harness and saddlery	16	220	56	219	57	218	59
Hats, caps and furnishings	3	13	89	13	89	13	90
Hollowware	2	318	86	323	92	345	91
Ice (artificial)	31	164	.....	230	.....	181	.....
Iron (structural and architectural)	16	1,420	.....	1,320	.....	1,604	.....
Jewelry and watches	4	929	522	927	521	927	526
Leather and leather goods	11	244	.....	245	.....	243	.....
Lighting apparatus	5	157	20	161	20	153	20
Lime, sand, cement and plaster	34	822	.....	815	.....	954	.....
Liquors (distilled)	18	106	10	106	10	112	13
Liquors (malt)	48	819	6	822	6	848	6
Lithographing, engraving & electrotyping	6	83	12	81	12	80	12
Machinery	81	6,565	17	6,627	17	6,711	17
Malt	3	58	.....	59	.....	58	.....
Marble and granite	21	106	1	104	1	106	1
Marbles	2	21	39	21	39	21	39
Mattresses and pillows	11	112	40	112	42	123	52
Oil cloth and window shade cloth	2	130	.....	134	.....	141	.....
Oil and grease	6	498	1	554	1	593	1
Paints and varnishes	12	44	6	48	4	51	5
Patterns and models	7	58	.....	55	.....	62	.....
Pianos and other musical instruments	7	302	.....	305	.....	308	.....
Pickles, preserves and sauces	5	17	13	15	10	14	10
Plating	6	33	.....	33	.....	35	.....

TABLE III*f*—MANUFACTURES—CITIES.

April.		May.		June.		July.		August.		September.	
Males.	Females.	Males.	Females.	Males.	Females.	Male.	Females.	Males.	Females.	Male.	Females.
486	277	475	287	464	258	494	282	515	273	520	303
4,038	85	3,772	85	3,583	74	3,355	78	3,450	80	3,501	78
5	10	6	12	6	12	5	9	4	7	2	5
33	8	36	8	42	8	26	3	25	5	28	10
441	26	457	19	423	11	374	5	308	4	262	4
62	.....	62	.....	62	.....	61	.....	60	.....	60	.....
7,895	1	7,937	1	7,904	1	7,642	1	7,745	1	7,311	1
2,531	1,559	2,563	1,548	2,630	1,615	2,648	1,633	2,633	1,634	2,531	1,580
41	204	41	205	41	203	41	203	41	204	41	199
198	68	206	65	200	71	182	70	204	68	250	69
567	195	574	195	597	208	602	211	594	203	592	197
4,387	331	4,729	357	4,915	358	4,914	358	4,957	353	4,940	341
292	40	292	41	291	44	289	42	287	44	289	46
116	64	111	61	430	406	208	323	1,513	777	1,659	823
2,417	63	2,470	66	2,422	58	2,191	49	1,901	41	1,810	38
1,565	94	1,551	96	1,569	95	1,487	82	1,366	55	1,231	31
470	.....	489	.....	544	.....	555	.....	586	.....	592	.....
11	64	10	66	10	69	9	72	9	74	10	72
9	.....	10	.....	10	.....	10	.....	10	.....	10	.....
770	1,770	770	1,842	791	1,988	829	2,030	810	1,986	785	2,013
753	1,682	753	1,660	750	1,712	651	1,616	652	1,624	733	1,688
15	.....	15	.....	14	.....	13	.....	12	.....	12	.....
3	4	3	4	3	4	4	7	4	7	4	7
206	42	211	50	206	51	207	47	209	41	213	42
72	76	78	84	83	80	85	77	87	81	90	93
574	.....	549	.....	541	.....	558	.....	564	.....	572	.....
432	18	430	18	447	18	443	18	443	18	442	18
753	92	674	96	673	90	702	88	577	88	579	78
264	828	300	860	300	862	295	867	309	860	305	873
386	69	423	69	512	70	514	73	522	75	536	74
57	.....	54	.....	51	.....	51	.....	51	.....	54	.....
118	.....	121	.....	120	.....	107	.....	105	.....	114	.....
93	28	96	29	92	30	96	31	104	33	100	41
925	741	946	733	958	739	902	698	923	803	901	807
1	.....	1	.....	1	.....	1	.....	13	.....	13	.....
92	48	87	60	109	66	117	64	119	65	134	76
102	.....	71	.....	74	.....	88	.....	123	.....	152	.....
50	63	64	87	57	89	11	5	32	14	17	15
1,334	258	1,244	228	1,333	217	1,349	257	1,398	279	1,426	388
5,633	55	5,686	55	5,473	53	5,218	40	5,249	43	5,171	36
2,243	54	2,243	53	2,133	55	2,083	52	2,158	47	2,251	55
1,161	2	1,269	2	1,264	2	1,269	2	1,270	3	1,232	3
204	17	183	16	162	14	148	12	156	13	149	13
4,713	397	4,467	405	4,280	396	1,357	267	1,844	301	4,114	398
77	411	70	414	61	414	64	410	68	417	64	438
205	.....	206	.....	211	.....	215	.....	213	.....	213	.....
238	.....	237	.....	233	.....	212	.....	212	.....	240	.....
977	162	965	150	762	90	750	92	774	94	910	117
213	57	217	56	207	56	219	59	212	51	213	46
13	90	13	90	12	87	12	87	13	90	13	90
351	90	368	95	363	93	388	93	186	95	394	93
226	.....	286	.....	339	.....	374	.....	375	.....	358	.....
1,513	.....	1,435	.....	1,417	.....	1,478	.....	1,501	.....	1,674	.....
928	523	933	528	943	531	931	528	944	527	955	529
233	.....	234	.....	239	.....	227	.....	227	.....	233	.....
152	20	146	20	138	20	129	18	134	18	132	18
1,021	.....	1,061	.....	1,078	.....	1,040	.....	1,053	.....	1,066	.....
121	13	108	16	107	15	95	14	94	11	118	12
860	7	912	9	948	9	966	9	964	9	951	7
80	10	79	11	77	9	77	9	78	7	80	13
6,787	17	6,689	17	6,704	19	6,591	21	6,704	21	6,575	22
57	.....	53	.....	21	.....	16	.....	18	.....	29	.....
119	1	131	1	133	1	124	1	125	1	125	1
21	39	21	39	21	39	21	39	21	39	21	39
130	63	135	63	135	63	131	60	131	59	133	61
129	.....	116	.....	127	.....	131	.....	130	.....	135	.....
598	1	625	1	645	1	683	1	676	1	716	1
55	8	55	7	47	4	47	2	41	2	40	2
65	.....	58	.....	56	.....	55	.....	58	.....	56	.....
308	.....	319	.....	331	.....	329	.....	327	.....	327	.....
13	10	18	11	17	11	15	11	15	11	23	29
35	.....	35	.....	35	.....	34	.....	34	.....	35	.....

TABLE III*f*—MANUFACTURES—CITIES—Continued.

Industries.	No. of establishments reported.	January.		February.		March.	
		Males.	Females.	Males.	Females.	Males.	Females.
Plumbing, steam and gas fitting supplies	11	558	.....	615	.....	616	.....
Pottery and stoneware	54	4,996	1,956	5,165	2,011	5,182	2,068
Potters' supplies	7	113	42	117	42	118	41
Printing and binding	262	2,476	1,183	2,508	1,178	2,505	1,172
Pumps and water-wheels	11	699	.....	706	.....	694	.....
Roofing (steel, iron and tin)	13	143	2	148	2	159	2
Rubber goods	16	3,093	632	3,419	731	4,068	771
Safes, vaults and locks	5	1,398	.....	1,396	.....	1,399	.....
Sash, doors, lumber and interior finish	135	2,612	21	2,637	23	2,833	23
Slaughtering and meat packing	5	68	.....	68	.....	60	.....
Soap, candles and tallow	12	36	10	36	10	40	10
Soda and mineral waters	50	134	4	131	4	132	5
Steel, iron and tin	59	25,256	143	26,207	136	26,825	130
Stencils, stamps and seals	3	2	1	2	1	2	1
Stone (cut, sawed and artificial)	7	211	.....	198	.....	239	1
Stoves, ranges and furnaces	40	2,892	.....	2,987	.....	3,071	.....
Strawboards and paper	25	2,025	504	1,956	505	1,973	523
Sucker rods	2	39	.....	38	.....	39	.....
Tinware, sheet iron & galvanized ironware	44	1,286	299	1,233	330	1,265	368
Tobacco (chewing and smoking)	8	888	617	789	640	780	613
Tools	21	1,555	.....	1,538	.....	1,586	.....
Umbrellas and parasols	2	19	55	19	58	19	62
Wire rods, wire cloth and wire goods	9	661	52	593	52	615	52
Miscellaneous	83	962	366	999	371	1,065	389
Totals and averages	2,810	111,602	16,277	112,840	16,556	116,526	16,862

TABLE III*f*—MANUFACTURES—CITIES—Continued.

April.		May.		June.		July.		August.		September.	
Males.	Females.	Male.	Females.	Male.	Females.	Males.	Male.	Males.	Females.	Males.	Females.
603	.....	578	.....	504	.....	511	.....	473	.....	491	.....
5,195	2,105	5,225	2,098	5,175	2,088	4,894	1,903	5,042	2,021	5,209	2,081
115	42	112	45	109	46	99	43	109	45	114	44
2,516	1,119	2,530	1,121	2,508	1,133	2,512	1,128	2,482	1,105	2,503	1,158
729	.....	758	.....	755	.....	762	.....	768	.....	762	.....
165	3	171	3	176	3	176	3	172	3	166	4
4,340	773	4,470	735	4,290	652	3,925	604	3,600	563	3,260	566
1,407	.....	1,390	.....	1,405	.....	1,402	.....	1,445	.....	1,439	.....
3,002	27	3,066	34	3,087	20	3,110	19	3,051	19	3,062	20
62	.....	60	.....	61	.....	62	.....	63	.....	64	.....
41	11	43	10	38	7	44	10	44	10	44	10
139	4	164	4	167	4	178	4	170	4	161	4
26,828	146	27,491	140	26,919	150	26,053	122	27,244	125	26,704	117
2	1	2	1	2	1	2	1	2	1	2	1
310	1	335	1	343	1	361	1	367	1	362	1
3,110	.....	3,149	.....	3,134	.....	3,057	.....	3,066	.....	3,052	.....
1,945	508	1,980	506	1,987	484	1,870	480	1,862	440	1,867	449
38	.....	39	.....	39	.....	35	.....	37	.....	36	.....
1,399	383	1,497	407	1,540	424	1,579	403	1,533	398	1,490	387
784	615	760	675	789	664	619	440	924	735	739	609
1,583	.....	1,588	.....	1,562	.....	1,497	.....	1,550	.....	1,505	.....
19	62	19	66	19	68	19	66	19	65	19	65
622	52	481	52	448	50	433	47	530	49	568	49
1,126	428	1,192	435	1,178	432	1,234	433	1,222	452	1,240	475
118,123	17,135	119,154	17,324	118,212	17,716	111,979	16,833	115,245	17,693	116,426	18,073

TABLE III*f*—MANUFACTURES—CITIES—Concluded.

Industries.	No. of establishments reported.	October.		November.		December.		Monthly Av ge.	
		Males.	Females.	Male.	Females.	Male.	Females.	Males.	Females.
Advertising novelties and signs	9	528	318	550	325	546	299	495	284
Agricultural implements	30	3,259	75	3,283	68	3,397	60	3,640	82
Awnings, tents and flags	3	2	5	2	4	2	4	3	7
Baskets	3	29	12	24	6	24	3	26	5
Bicycles, bicycle sundries and automobiles	9	324	8	363	16	379	18	386	16
Billiard tables, bar & store fixtures	5	60	.....	60	.....	60	.....	61	.....
Boilers, engines and tanks	71	7,292	1	6,945	1	6,643	1	7,553	
Boots and shoes	19	2,488	1,542	2,478	1,573	2,584	1,601	2,563	1,594
Boxes (paper)	7	41	198	41	200	41	199	41	201
Boxes (wooden)	11	273	73	252	71	188	65	209	68
Bread & other bakery products	121	585	200	583	195	582	205	580	195
Brick and tile	108	4,483	332	4,227	345	3,701	340	4,332	349
Brooms and brushes	19	292	52	289	52	285	54	289	45
Canned goods	13	503	403	179	150	131	121	428	274
Carriages and wagons	115	1,821	36	1,845	39	1,939	47	2,128	51
Carriage & wagon materials	34	1,392	36	1,422	55	1,488	62	1,473	72
Cars and car furnishings	3	594	.....	583	.....	617	.....	551	.....
Chewing gum	4	10	68	9	64	9	58	10	65
Churns	3	10	.....	10	.....	10	.....	9	.....
Cigars	170	791	2,015	811	2,077	793	1,976	781	1,875
Clothing	223	763	1,753	761	1,743	727	1,702	715	1,670
Clothes wringers and wash boards	3	12	.....	11	.....	11	.....	13	.....
Coffee, baking powder and spices	5	4	7	4	7	4	6	3	5
Coffins and burial cases	4	223	50	224	48	217	45	212	46
Confectionery	25	91	106	94	118	94	106	81	84
Cooperage	28	585	.....	578	.....	490	.....	551	.....
Copper and brass goods	10	385	18	363	18	359	18	405	18
Cordage and twine	3	653	149	701	181	669	176	681	110
Cotton and woolen goods (knit and woven)	19	298	870	298	868	266	800	284	836
Cutlery and edge tools	5	527	80	519	81	481	83	457	74
Dairy products	8	53	.....	58	.....	59	.....	55	.....
Dental and surgical chairs	3	114	.....	113	.....	113	.....	115	.....
Drugs, chemicals & druggists' sundries	33	98	44	96	45	95	43	95	34
Electrical goods and supplies	26	937	864	899	869	894	844	920	766
Elevators & hoisting machinery	2	11	.....	11	.....	12	.....	6	.....
Extracts, toilet articles & perfumery	7	135	78	128	72	119	60	108	59
Fertilizers	9	68	.....	57	.....	61	.....	87	.....
Fireworks	2	18	22	17	18	13	15	30	37
Flouring mill products	103	1,464	444	1,380	452	1,186	177	1,342	295
Foundry and machine shop products	110	4,974	44	4,797	44	4,667	37	5,302	48
Furniture	39	2,289	54	2,322	55	2,233	48	2,208	52
Gas and electricity	78	1,205	3	1,166	1	1,115	1	1,181	2
Glass works supplies	4	143	12	108	7	116	9	166	14
Glass and glassware	24	4,599	419	4,959	405	4,979	408	4,186	384
Gloves and mittens	10	56	435	57	430	50	408	67	416
Gunpowder and other explosives	7	214	.....	212	.....	200	.....	207	.....
Handles	10	248	.....	248	.....	251	.....	237	.....
Hardware	12	975	148	965	145	818	102	893	128
Harness and saddlery	16	214	50	220	53	222	50	216	54
Hats, caps and furnishings	3	13	90	12	87	12	87	13	89
Hollowware	2	415	82	381	89	370	89	367	90
Ice (artificial)	31	272	.....	211	.....	276	.....	274	....
Iron (structural and architectural)	16	1,689	.....	1,698	.....	1,447	.....	1,516	.....
Jewelry and watches	4	945	525	945	524	944	525	938	526
Leather and leather goods	11	253	.....	255	.....	257	.....	241	.....
Lighting apparatus	5	134	18	134	12	142	12	143	18
Lime, sand, cement & plaster	34	992	.....	840	.....	688	.....	953	.....

TABLE III*f*—MANUFACTURES—CITIES—Concluded.

Industries.	No. of establishments reported.	October..		November.		December.		Monthly Avge.	
		Males.	Females.	Male.	Females.	Males.	Males.	Males.	Females.
Liquors (distilled)	18	133	12	126	12	111	12	111	12
Liquors (malt)	48	886	6	852	6	832	6	888	7
Lithographing, engraving and electrotyping	6	80	15	81	20	81	23	80	13
Machinery	81	6,365	24	6,230	25	6,072	25	6,552	20
Malt	3	39	.....	40	.....	41	.....	40	.....
Marble and granite	21	124	1	122	1	109	1	119	1
Marbles	2	21	39	21	39	21	39	21	39
Mattresses and pillows	11	133	61	132	59	126	56	128	57
Oil cloth & window shade cloth	2	132	.....	95	.....	109	.....	126	.....
Oil and grease	6	735	1	730	1	644	1	641	1
Paints and varnishes	12	39	2	41	3	39	5	46	4
Patterns and models	7	54	.....	49	.....	48	.....	56	.....
Pianos and other musical instruments	7	329	.....	329	.....	329	.....	320	.....
Pickles, preserves and sauces	5	32	23	23	18	19	11	18	14
Plating	6	35	.....	35	.....	34	.....	35	.....
Plumbing, steam and gas fitting supplies	11	522	.....	463	.....	466	.....	534	.....
Pottery and stoneware	54	5,217	2,091	5,205	2,084	5,089	2,023	5,133	2,044
Potters' supplies	7	113	46	122	45	121	43	113	44
Printing and binding	262	2,547	1,172	2,564	1,204	2,600	1,225	2,521	1,158
Pumps and water-wheels	11	708	.....	659	.....	589	.....	715	.....
Roofing (steel, iron & tin)	13	158	4	159	3	133	3	161	3
Rubber goods	16	3,094	606	3,119	601	3,172	607	3,654	653
Safes, vaults and locks	5	1,459	.....	1,439	.....	1,433	.....	1,418	.....
Sash, doors, lumber and interior finish	135	3,063	20	2,930	21	2,662	29	2,926	23
Slaughtering & meat packing	5	64	.....	71	.....	72	.....	65	.....
Soap, candles and tallow	12	44	10	37	7	39	10	40	10
Soda and mineral waters	50	145	4	133	4	132	4	149	4
Steel, iron and tin	59	24,349	82	18,993	94	19,103	96	25,164	124
Stencils, stamps and seals	3	2	1	2	1	2	1	2	1
Stone (cut, sawed and artificial)	7	338	1	290	1	235	1	299	1
Stoves, ranges & furnaces	40	3,090	.....	2,970	.....	2,911	.....	3,041	.....
Strawboards and paper	25	1,901	462	1,894	479	1,885	501	1,929	487
Sucker rods	2	36	.....	36	.....	37	.....	37	.....
Tinware, sheet iron & galvanized ironware	44	1,416	367	1,376	360	1,324	343	1,412	372
Tobacco (chewing & smoking)	8	563	600	660	582	684	588	748	616
Tools	21	1,544	.....	1,484	.....	1,399	.....	1,532	.....
Umbrellas and parasols	2	19	65	18	65	18	62	19	63
Wire rods, wire cloth and wire goods	9	575	50	557	49	598	50	557	50
Miscellaneous	83	1,276	460	1,245	439	1,178	431	1,160	426
Totals and averages	2,810	112,226	17,964	105,130	17,836	102,573	17,160	113,336	17,286

TABLE III*g*—MANUFACTURES—VILLAGES.

Industries.	No. of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs	3	15	6	15	6	15	6	15	6	15	6
Agricultural implements	18	874	4	889	4	893	4	862	5	818	5
Baskets	7	29	9	31	9	32	9	83	24	152	50
Bicycles, bicycle sundries and automobiles	4	98	....	112	....	143	....	159	....	154	.....
Billiard tables, bar and store fixtures	7	129	2	132	2	136	2	131	2	141	2
Boilers, engines and tanks	17	1,066	1	1,022	1	997	1	1,041	1	1,169	1
Boots and shoes	3	34	19	41	21	50	30	62	32	56	32
Boxes (wooden)	9	31	16	34	30	36	30	36	30	41	30
Bread and other bakery products	72	97	20	97	20	100	20	97	21	101	22
Brick and tile	224	4,925	13	4,964	13	5,173	15	5,716	11	6,137	8
Brooms and brushes	10	65	5	62	5	61	5	62	5	61	5
Canned goods	21	29	41	18	39	25	48	13	....	41	2
Carriages and wagons	83	821	21	904	26	1,010	29	1,031	31	1,047	34
Carriage and wagon materials	18	785	....	785	....	772	....	693	....	687	.....
Cars and car furnishings	2	235	....	237	....	237	....	237	....	237	.....
Churns	2	51	1	49	1	44	1	43	1	39	1
Cigars	101	281	257	284	266	283	261	280	270	287	266
Clothing	85	107	330	107	334	111	360	117	383	120	399
Coffee, baking powder and spices	3	2	3	2	3	2	3	2	3	2	3
Confectionery	2	1	3	2	3	2	4	3	3	2	.....
Cooperage	48	836	....	861	1	956	1	907	1	923	1
Cotton & woolen goods (knit & woven)	16	253	430	251	443	251	430	261	446	263	462
Dairy products	62	122	1	123	1	128	1	152	1	166	1
Drugs, chemicals and druggists' sundries	15	404	95	403	100	392	98	399	98	392	99
Electrical goods and supplies	8	277	201	278	193	281	185	281	180	273	180
Extracts, toilet articles and perfumery	2	.....	1	.....	1	.....	1	.....	1	.....	1
Fireworks	2	81	73	99	86	98	86	105	86	109	90
Flouring mill products	255	889	2	888	2	884	2	877	2	880	2
Foundry and machine shop products	70	2,090	1	2,172	1	2,192	1	2,207	1	2,082	1
Furniture	36	977	22	998	21	1,038	22	1,043	25	1,090	30
Gas and electricity	101	264	....	263	....	150	....	158	....	156	.....
Glass and glassware	6	1,427	64	1,437	63	1,464	63	1,490	60	1,436	63
Gloves and mittens	2	11	85	11	85	11	85	11	90	11	90
Handles	26	357	1	355	1	358	1	345	1	143	1
Hardware	4	192	20	207	21	212	21	201	21	190	20
Harness and saddlery	21	397	329	398	329	401	330	401	330	388	328
Ice (artificial)	11	34	....	31	....	40	....	57	....	67	.....
Iron (structural and architectural)	3	55	....	54	....	71	....	75	....	78	.....
Leather and leather goods	9	190	....	184	....	182	....	181	....	179	.....
Lime, sand, cement and plaster	21	723	1	711	1	816	1	877	1	1,031	1
Liquors (distilled)	8	102	5	100	5	101	5	90	5	87	5
Liquors (malt)	10	57	....	57	....	57	....	57	....	57	.....
Machinery	36	1,030	16	1,162	13	1,163	11	1,127	12	1,084	13
Marble and granite	17	125	1	125	1	126	1	127	1	127	1
Matches	2	693	283	692	261	704	264	739	254	685	234
Paints and varnishes	2	36	4	38	4	37	6	39	6	36	4
Pianos and other musical instruments	3	113	10	113	10	114	10	118	10	114	10
Pickles, preserves and sauces	6	11	1	10	1	11	...	11	....	12	.....
Pottery and stoneware	33	1,253	506	1,307	525	1,330	535	1,280	504	1,404	559
Printing and binding	170	517	176	518	177	517	183	522	184	517	181
Pumps and water wheels	12	528	2	543	2	560	2	531	2	515	2
Rubber goods	5	131	62	124	62	146	72	149	73	160	75
Salt	6	348	25	305	28	262	23	257	24	199	20
Sash, doors, lumber and interior finish	161	1,607	3	1,632	3	1,716	3	1,804	3	1,839	4
Slaughtering and meat packing	2	32	1	30	1	30	1	30	1	30	1
Soda and mineral waters	11	12	....	12	....	12	....	13	....	16	.....
Steel, iron and tin	20	4,914	1	5,001	1	5,053	1	5,053	1	4,775	1
Stone (cut, sawed and artificial)	11	174	....	184	....	208	....	270	....	279	.....
Stoves, ranges and furnaces	7	238	....	257	....	240	....	254	....	270	.....
Strawboards and paper	19	1,201	379	1,209	387	1,211	380	1,216	396	1,210	396
Tinware, sheet iron & galvanized ironware	11	100	11	106	8	102	11	130	2	142	9
Tobacco (chewing and smoking)	3	157	134	140	130	140	130	139	130	140	130
Tools	5	193	4	193	4	187	4	183	4	181	4
Whips	3	48	31	53	34	54	35	52	33	45	29
Wire rods, wire cloth and wire goods	4	11	....	11	....	11	....	36	....	39	.....
Miscellaneous	58	812	125	824	123	836	170	858	185	810	187
Totals and averages	2,034	33,697	3,857	34,257	3,912	34,975	4,003	35,796	4,002	36,135	4,101

TABLE III*g*—MANUFACTURES—VILLAGES.

June.		July.		August.		September.		October.		November.		December,		Monthly Avge.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
15	17	15	17	15	17	15	11	15	11	15	11	15	11	15	10
722	6	564	5	479	....	510	....	492	....	505	....	549	....	680	3
160	40	152	30	99	25	98	25	35	10	26	10	26	10	77	21
151	....	118	....	91	....	38	....	27	....	29	....	40	....	97	.....
149	2	148	2	137	2	132	2	126	2	223	2	135	2	135	2
1,273	1	1,285	1	1,445	1	1,520	1	1,509	1	1,360	1	1,295	1	1,248	1
67	35	70	35	75	46	81	48	81	56	81	52	79	53	64	38
41	30	57	39	66	42	67	40	62	40	63	40	65	40	50	34
104	22	105	22	105	17	106	18	101	17	99	17	100	23	101	20
6,258	7	6,297	7	6,348	9	6,366	8	5,946	8	5,486	12	4,732	17	5,696	11
62	4	62	4	62	4	63	4	66	4	68	4	68	4	63	4
101	77	119	113	411	361	549	570	371	517	84	43	42	50	150	155
1,004	32	927	30	858	24	756	21	736	18	809	18	836	20	895	25
657	....	681	....	668	....	704	....	753	....	793	....	840	....	735	.....
238	....	239	....	241	....	241	....	245	....	240	....	243	....	239	.....
40	1	38	1	39	1	41	1	48	1	49	1	50	1	44	1
291	267	298	270	292	269	287	257	284	273	289	263	270	254	286	264
121	397	115	373	111	374	119	427	125	439	122	443	115	429	116	391
2	3	1	1	1	1	1	1	2	3	2	3	1	1	2	2
2	....	3	1	3	2	1	1	2	4	2	3	2	3	2	2
945	1	930	....	942	....	975	1	966	1	933	1	870	....	920	1
270	483	277	504	284	490	272	490	275	484	269	475	193	410	260	462
208	1	213	1	215	1	205	1	198	1	184	1	149	1	172	1
368	70	333	49	342	47	349	70	343	94	356	97	376	99	371	85
270	179	112	167	262	196	282	193	283	194	285	195	282	199	264	189
.....	1	.....	1	.....	1	.....	1	.....	1	.....	1	.....	1	.....	1
113	98	80	55	88	68	89	59	85	59	83	60	78	85	92	75
884	2	896	2	905	2	913	2	928	2	925	2	918	2	899	2
2,078	1	2,095	1	2,189	1	2,140	1	2,171	1	2,033	1	1,975	1	2,119	1
1,107	32	1,101	28	1,121	22	1,125	31	1,119	34	1,133	34	1,144	31	1,083	28
155	....	148	....	161	....	166	....	177	....	177	....	180	....	180	.....
1,398	72	997	9	1,006	11	1,288	50	1,261	58	1,222	58	1,260	53	1,307	52
11	90	11	90	11	95	12	95	12	85	11	80	11	80	11	88
338	1	342	1	316	1	353	1	391	1	399	1	362	1	355	1
195	20	193	20	190	20	192	20	195	20	206	23	208	23	198	20
391	328	389	327	395	327	402	330	415	330	419	329	413	329	401	329
73	....	78	....	82	....	77	....	63	....	50	....	32	....	57	.....
83	....	83	....	84	....	80	....	76	....	72	....	67	....	73	.....
199	....	208	....	217	....	222	....	220	....	217	....	220	....	202	.....
970	1	948	1	974	1	1,007	1	905	1	935	1	785	1	890	1
85	5	80	5	89	5	104	5	113	5	106	5	101	5	96	5
58	....	71	....	71	....	71	....	70	....	70	....	70	....	64	.....
1,087	15	1,094	12	1,141	11	1,121	11	1,087	11	1,055	10	1,064	10	1,101	12
130	1	131	1	131	1	130	1	128	1	127	1	126	1	128	1
721	236	719	252	706	251	727	254	748	276	755	278	763	294	721	261
38	4	39	6	33	4	29	4	31	4	29	4	25	4	34	5
119	10	116	10	118	10	113	10	121	10	122	10	124	10	117	10
11	....	20	20	62	91	92	146	98	153	50	30	26	14	35	38
1,328	585	1,391	572	1,358	537	1,346	560	1,362	562	1,398	598	1,327	603	1,340	554
522	178	518	179	523	179	529	179	536	187	542	192	546	195	526	183
508	2	503	2	462	3	468	3	491	3	495	2	516	2	510	2
167	79	144	84	138	49	127	49	127	45	119	41	124	52	138	62
282	25	297	20	291	21	322	25	350	23	348	24	343	25	300	23
1,816	5	1,780	17	1,839	29	1,784	26	1,783	25	1,719	23	1,589	5	1,742	12
31	1	31	1	31	1	32	1	32	1	32	1	32	1	31	1
17	....	18	....	17	....	15	....	11	....	11	....	11	....	14	.....
5,002	1	4,476	1	4,388	1	3,979	1	3,217	1	1,961	1	1,713	1	4,128	1
287	....	279	....	278	....	282	....	267	....	261	....	181	....	246	.....
265	....	253	....	240	....	251	....	256	....	238	....	233	....	249	.....
1,215	398	1,150	399	1,141	373	1,221	375	1,191	380	1,210	375	1,197	375	1,198	384
148	10	145	11	133	2	142	9	111	2	108	2	98	2	122	7
138	130	140	130	143	130	143	133	144	134	147	133	138	130	143	131
183	4	190	4	188	4	186	4	184	3	177	3	167	3	184	4
50	33	50	33	50	33	49	29	52	31	49	33	51	34	50	33
30	....	26	....	21	....	20	....	15	....	15	....	9	....	20	.....
761	139	781	166	777	181	821	201	829	212	844	201	832	201	816	174
.....															
36,513	4,182	35,170	4,132	35,699	4,394	35,948	4,807	34,463	4,839	32,142	4,249	30,432	4,202	34,602	4,223

TABLE III*h*—MANUFACTURES—STATE.

Industries.	No. of establishments reported.	January.		February.		March.	
		Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs	19	599	358	607	351	615	367
Agricultural implements	54	5,672	115	5,184	100	5,522	102
Awnings, tents and flags	24	140	167	148	189	180	240
Bags (paper and burlap)	9	332	393	331	393	324	394
Baskets	10	48	9	48	9	47	9
Bath cabinets	2	12	39	12	39	12	34
Bicycles, bicycle sundries and automobiles	36	3,361	120	3,592	126	3,789	123
Billiard tables, bar and store fixtures	34	1,064	10	1,072	10	1,091	10
Boilers, engines and tanks	126	12,664	2	12,967	2	12,981	2
Boots and shoes	61	8,710	5,875	6,856	5,858	8,623	5,841
Boxes (paper)	28	396	1,340	394	1,347	397	1,363
Boxes (wooden)	58	1,122	308	1,140	310	1,173	325
Bread and other bakery products	262	2,257	933	2,268	981	2,302	989
Brick and tile	375	9,123	399	9,104	368	9,849	346
Brooms and brushes	55	745	196	745	200	750	206
Bungs	3	151	.....	148	.....	146	.....
Buttons (pearl)	2	20	52	20	52	20	52
Canned goods	34	115	94	105	92	135	107
Carriages and wagons	311	6,779	202	7,188	227	7,585	238
Carriage and wagon materials	85	3,591	97	3,707	125	3,716	139
Cars and car furnishings	5	786	.....	769	.....	735	.....
Chewing gum	8	25	360	25	367	25	377
Churns	5	60	1	58	1	53	1
Cigars	422	2,810	4,896	2,840	4,977	2,847	5,065
Clothing	767	5,648	9,334	5,934	9,695	6,561	10,219
Clothes wringers and washboards	3	12	.....	12	.....	14	.....
Coffee, baking powder and spices	26	227	264	210	224	223	249
Coffins and burial cases	10	831	161	849	161	850	165
Confectionery	56	565	571	551	582	554	599
Cooperage	94	2,294	1	2,356	2	2,577	2
Copper and brass goods	53	2,019	102	2,058	103	2,134	102
Cordage and twine	3	819	93	668	86	706	97
Cotton and woolen goods (knit and woven)	57	1,038	3,151	1,061	3,213	1,057	3,241
Cutlery and edge tools	5	488	90	253	62	323	64
Dairy products	78	376	7	383	7	394	7
Dental and surgical chairs	3	114	.....	118	.....	118	.....
Drugs, chemicals and druggists' sundries	99	1,532	378	1,498	382	1,498	379
Electrical goods and supplies	80	4,576	1,391	4,543	1,437	4,682	1,454
Elevators and hoisting machinery	9	239	.....	238	.....	248	.....
Extracts, toilet articles and perfumery	24	121	82	143	102	146	95
Fertilizers	14	288	.....	290	.....	348	.....
Fireworks	4	109	110	127	122	123	129
Flouring mill products	381	2,700	329	2,686	285	2,651	261
Foundry and machine shop products	334	30,063	1,057	30,505	1,084	31,355	1,094
Furniture	157	6,333	283	6,457	287	6,622	299
Furs	2	5	6	3	6	3	10
Gas and electricity	186	2,392	1	2,347	1	2,234	1
Glass works supplies	4	210	18	206	17	208	16
Glass and glassware	47	8,639	886	8,716	883	8,763	881
Gloves and mittens	15	135	547	142	549	142	558
Gun powder and other explosives	9	272	20	279	20	289	20
Handles	36	599	1	601	1	599	1
Hardware	34	3,346	359	3,387	404	3,442	419
Harness and saddlery	70	1,154	432	1,163	434	1,167	437
Hats, caps and furnishings	31	216	730	202	885	201	883
Hollow-ware	2	318	86	323	92	345	91
Ice (artificial)	55	325	1	393	1	375	1
Inks	5	142	2	142	2	142	2
Iron (structural and architectural)	48	4,114	.....	3,936	.....	4,230	.....
Jewelry and watches	24	1,116	551	1,114	550	1,112	555
Leather and leather goods	40	1,653	3	1,663	3	1,668	3
Lighting apparatus	10	246	68	250	68	245	68
Lime, sand, cement and plaster	68	1,696	1	1,662	1	1,950	1
Liquors (distilled)	43	654	274	653	272	668	265
Liquors (malt)	105	3,437	8	3,437	8	3,523	8
Lithographing, engraving & electrotyping	40	1,106	71	1,155	65	1,155	64
Macaroni	3	28	37	28	37	28	37
Machinery	249	19,443	79	20,931	76	21,193	74
Malt	6	126	.....	127	.....	126	.....
Marble and granite	54	638	2	650	2	662	2
Marbles	2	21	39	21	39	21	39
Matches	2	693	283	692	261	704	264
Mattresses and pillows	24	247	151	256	165	276	193

TABLE IIIh—MANUFACTURES—STATE.

April.		May.		June.		July.		August.		September.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
647	381	635	390	632	373	662	395	681	380	683	406
5,406	90	5,004	90	4,649	80	4,166	83	4,144	80	4,271	78
203	264	236	306	237	315	212	300	181	250	167	201
336	400	341	406	342	411	347	402	342	405	341	409
116	32	188	58	202	48	178	33	124	30	126	35
10	34	10	29	10	29	10	14	13	14	13	14
3,784	117	3,694	103	3,604	94	3,203	83	3,053	76	3,030	82
1,082	10	1,078	10	1,071	10	1,083	10	1,068	10	1,091	10
12,986	2	13,178	2	13,297	2	12,886	2	12,687	2	12,092	2
8,503	5,769	8,557	5,759	8,671	5,874	8,818	5,966	8,803	6,006	8,717	5,913
384	1,374	398	1,387	406	1,397	413	1,441	423	1,445	433	1,431
1,203	329	1,229	328	1,246	338	1,237	343	1,227	345	1,292	341
2,299	984	2,332	998	2,379	1036	2,414	1,018	2,427	1,077	2,445	1,102
11,233	342	12,049	365	12,529	365	12,666	365	12,778	362	12,776	349
758	203	755	194	749	195	729	192	746	197	743	205
144	.....	144	.....	152	.....	149	.....	145	.....	138	.....
20	57	20	47	20	47	18	52	19	55	20	54
129	64	152	63	531	483	327	436	1,924	1,138	2,208	1,393
7,790	256	7,854	254	7,759	235	7,171	217	6,465	185	6,099	176
3.608	129	3,612	132	3,608	130	3,501	117	3,325	87	3,195	57
707	.....	726	.....	782	.....	794	.....	827	.....	833	.....
26	379	25	382	24	420	23	430	23	475	24	424
52	1	49	1	50	1	48	1	49	1	51	1
2,873	5,233	2,911	5,350	2,929	5,601	2,978	5,752	2,935	5,747	2,928	5,809
6,698	10,197	6,666	9,903	6,364	9,933	5,896	9,667	6,190	9,859	6,803	10,425
15	.....	15	.....	14	.....	13	.....	12	.....	12	.....
211	254	213	237	211	210	211	217	210	214	214	219
839	161	840	169	824	169	835	165	861	162	874	158
569	617	571	628	610	649	623	647	631	688	684	740
2,551	2	2,452	2	2,427	2	2,382	1	2,440	1	2,494	2
2,150	99	2,081	103	2,099	94	2,153	91	2,156	93	2,144	92
753	92	674	96	673	90	702	88	577	88	579	78
1,058	3,309	1,044	3,334	1,049	3,354	1,114	3,520	1,146	3,477	1,115	3,429
386	69	423	69	512	70	514	73	522	75	536	74
417	7	424	7	465	7	468	7	469	7	452	7
118	.....	121	.....	120	.....	107	.....	105	....	114	.....
1,557	381	1,553	390	1,554	350	1,476	348	1,501	352	1,501	372
4,739	1,469	4,809	1,463	4,708	1,493	4,577	1,505	4,660	1,693	4,563	1,683
234	.....	233	.....	230	.....	229	.....	234	.....	238	.....
146	118	141	137	165	146	173	126	174	127	183	136
361	.....	310	.....	304	.....	328	.....	446	.....	490	.....
155	149	173	177	170	187	91	60	120	82	106	74
2,676	269	2,585	240	2,702	229	2,718	267	2,809	289	2,811	397
31,710	1,118	31,610	1,102	31,030	1,029	30,005	1,013	29,975	1,031	29,844	1,026
6,718	305	6,752	312	6,650	319	6,496	316	6,685	314	6,850	334
3	9	3	9	5	9	5	9	5	9	5	16
2,382	2	2,488	2	2,524	2	2,501	2	2,509	3	2,486	3
204	17	183	16	162	14	148	12	156	13	149	13
8,506	890	8,201	897	7,858	795	4,309	518	4,848	578	7,504	732
140	565	135	560	122	563	107	552	121	561	105	569
286	23	287	25	295	27	302	28	306	28	305	30
583	1	578	1	571	1	554	1	528	1	593	1
3,400	418	3,378	410	3,193	328	3,114	323	3,143	324	3,316	352
1,155	434	1,152	430	1,146	425	1,152	429	1,153	421	1,170	422
202	837	195	778	187	558	214	559	246	781	245	878
351	90	368	95	363	93	388	93	386	95	394	93
448	1	555	2	632	2	748	2	726	1	679	1
142	2	142	2	142	1	142	1	142	1	142	1
4,337	.....	4,219	.....	4,287	.....	4,479	.....	4,562	.....	4,765	.....
1,112	551	1,116	556	1,125	559	1,112	554	1,126	553	1,153	555
1,640	3	1,659	3	1,697	3	1,720	4	1,728	4	1,725	4
249	68	239	68	229	62	215	58	217	53	221	53
2,099	1	2,270	1	2,227	2	2,146	2	2,196	2	2,261	2
699	270	681	273	647	352	624	357	626	344	668	340
3,405	10	3,777	13	3,941	13	4,048	15	3,993	15	3,884	11
1,160	62	1,163	64	1,153	61	1,165	61	1,174	59	1,174	65
28	37	28	37	28	37	28	37	28	37	28	37
21,362	75	21,466	76	21,727	82	21,923	80	22,009	78	21,789	80
120	.....	116	.....	24	.....	16	.....	18	.....	61	.....
675	2	697	2	685	2	673	2	682	2	609	2
21	39	21	39	21	39	21	39	21	39	21	39
739	254	685	234	721	236	719	252	706	251	727	254
305	208	308	228	314	233	291	230	302	229	315	234

TABLE III*h*—MANUFACTURES—STATE—Continued.

Industries.	No. of establishments reported.	January.		February.		March.	
		Males.	Females.	Males.	Females.	Males.	Females.
Mouldings and frames	13	752	10	809	14	849	16
Oil cloth and window shade cloth	4	164	38	168	38	175	38
Oil and grease	26	2,415	71	2,368	66	2,390	65
Paints and varnishes	55	1,083	141	1,118	148	1,150	175
Patterns and models	20	212	9	221	9	234	10
Pianos and other musical instruments	15	840	18	839	18	843	18
Pickles, preserves and sauces	19	174	190	161	174	164	188
Plating	10	264	3	264	3	266	3
Plumbing, steam and gas fitting supplies	28	1,294	7	1,344	10	1,356	7
Pottery and stone ware	89	6,280	2,491	6,503	2,565	6,543	2,632
Potters' supplies	7	113	42	117	42	118	41
Printing and binding	640	7,105	3,433	7,125	3,449	7,079	3,388
Printers' rollers	2	5	.....	5	.....	5	.....
Pumps and water wheels	32	1,800	11	1,856	11	1,881	11
Regalia	8	47	204	47	196	56	225
Roofing (steel, iron and tin)	29	271	8	281	8	301	8
Rubber goods	24	3,227	707	3,546	806	4,217	856
Rugs and carpet cleaning	6	69	27	60	24	84	40
Safes, vaults and locks	11	1,980	.....	1,981	.....	1,981	.....
Salt	8	587	101	515	100	475	94
Sash, doors, lumber and interior finish	375	7,394	25	7,471	27	7,680	27
Slaughtering and meat packing	36	1,632	39	1,543	37	1,495	35
Soap, candles and tallow	47	1,428	643	1,434	639	1,458	653
Soda and mineral waters	91	340	4	337	4	341	5
Starch	2	3	12	3	12	3	12
Steel, iron and tin	94	38,370	200	39,381	198	40,522	191
Stencils, stamps and seals	16	79	10	79	10	79	10
Stone (cut, sawed and artificial)	32	1,534	.....	1,330	....	1,795	1
Stoves, ranges and furnaces	89	6,086	24	6,318	22	6,506	25
Strawboards and paper	49	3,472	930	3,413	939	3,432	950
Sucker rods	2	39	.....	38	.....	39	.....
Tinware, sheet iron & galvanized ironware	121	3,102	486	3,036	517	3,206	585
Tobacco (chewing and smoking)	20	1,214	1,025	1,082	1,034	1,079	1,043
Tools	88	5,546	74	5,541	79	5,595	79
Trunks and valises	16	217	31	220	30	228	31
Umbrellas and parasols	5	30	71	32	99	35	113
Whips	3	48	31	53	34	54	35
Wire rods, wire cloth and wire goods	37	1,655	135	1,596	133	1,643	132
Miscellaneous	293	7,400	1,322	7,560	1,355	7,720	1,434
Totals and averages	7,961	282,216	50,599	286,342	51,650	294,649	52,855

TABLE III*h*—MANUFACTURES—STATE—Continued.

April.		May.		June.		July.		August.		September.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
860	23	841	23	798	23	784	23	843	23	863	29
163	38	150	38	161	38	165	38	164	38	169	38
2,375	62	2,440	59	2,552	53	2,750	50	2,770	46	2,871	58
1,163	182	1,162	155	1,144	133	1,075	117	1,078	112	1,069	117
226	8	216	8	217	8	214	6	219	9	220	9
839	18	854	18	861	17	871	18	886	19	885	20
172	157	167	197	174	220	163	229	254	316	357	460
256	3	256	2	256	2	265	2	265	2	301	2
1,356	10	1,321	10	1,253	10	1,290	10	1,247	11	1,279	10
6,506	2,638	6,676	2,688	6,550	2,704	6,328	2,506	6,435	2,588	6.586	2,670
115	42	112	45	109	46	99	43	109	45	114	44
7,116	3,356	7,162	3,411	7,133	3,443	7,122	3,421	7,171	3,421	7,219	3,502
5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
1,894	11	1,913	14	1,920	14	1,918	15	1,909	15	1,969	15
60	260	60	263	60	259	54	222	57	210	57	224
314	11	329	11	336	11	344	9	344	9	341	11
4,492	860	4,633	824	4,460	745	4,072	700	3,741	624	3,390	628
99	51	109	62	96	54	87	49	84	46	85	45
1,990	.....	1,969	.....	2,007	.....	1,996	.....	2,056	.....	2,044	.....
484	86	431	77	503	80	545	79	521	76	516	78
8,131	31	8,316	39	8,461	26	8,454	364	8,417	49	8,429	47
1,481	33	1,478	35	1,482	34	1,550	29	1,481	27	1,497	25
1,444	663	1,359	638	1,377	632	1,382	664	1,345	635	1,373	662
364	4	421	6	433	7	456	7	441	7	418	6
36	7	36	7	36	10	36	10	38	12	38	12
40,500	216	41,144	217	41,060	249	39,409	234	40,421	255	38,819	215
79	10	79	9	79	9	78	9	78	9	78	9
2,676	1	2,979	1	3,205	1	3,101	1	3,289	1	3,249	1
6,522	23	6,533	21	6,435	20	6,171	23	6,367	26	6,396	25
3,404	951	3,437	949	3,453	929	3,269	926	3,257	860	3,336	876
38	.....	39	.....	39	.....	35	.....	37	.....	36	.....
3,388	607	3,531	643	3,658	657	3,786	641	3,710	657	3,657	687
1,078	1,031	1,049	1,079	1,077	1,067	913	850	1,228	1,146	1,039	1,014
5,640	79	5,684	78	5,685	76	5,643	76	5,644	76	5,552	76
249	34	251	39	259	34	271	38	284	37	283	35
36	111	32	112	33	108	33	102	39	100	40	105
52	33	45	29	50	33	50	33	50	33	49	29
1,711	137	1,572	151	1,473	144	1,448	139	1,545	148	1,585	145
7,880	1 542	7,866	1,588	7,799	1,560	7,943	1,567	8,065	1,557	8,172	1,632
299,307	53,264	301,634	53,390	301,475	53,770	292,183	52,906	295,883	54,646	297,203	56,086

TABLE III*h*—MANUFACTURES—STATE—Concluded.

Industries.	No. of establishments reported.	October.		November.		December.		Monthly Av ge.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs	19	687	421	709	428	701	402	655	388
Agricultural implements	54	4,075	75	4,187	68	4,437	60	4,726	85
Awnings, tents and flags	24	161	187	150	189	143	182	180	232
Bags (paper and burlap)	9	341	411	346	409	345	418	339	404
Baskets	10	64	22	50	16	50	13	103	26
Bath cabinets	2	13	19	12	19	11	19	12	25
Bicycles, bicycle sundries and automobiles	36	3,294	85	3,578	103	3,899	115	3,490	102
Billiard tables, bar and store fixtures	34	1,083	10	1,094	10	1,105	10	1,082	10
Boilers, engines and tanks	126	11,740	2	11,275	2	10,986	2	12,478	2
Boots and shoes	61	8,620	5,832	8,593	5,843	8,761	5,930	8,669	5,874
Boxes (paper)	28	436	1,418	444	1,433	424	1,409	412	1,399
Boxes (wooden)	58	1,335	346	1,291	347	1,204	342	1,225	334
Bread & other bakery products	262	2,411	1,112	2,437	1,094	2,377	1,074	2,362	1,033
Brick and tile	375	11,712	340	10,679	357	9,157	357	11,138	360
Brooms and brushes	55	163	206	757	209	753	209	749	201
Bungs	3	141	.....	139	.....	138	.....	145	.....
Buttons (pearl)	2	19	52	19	52	19	52	19	52
Canned goods	34	874	920	263	193	173	171	578	429
Carriages and wagons	311	6,040	173	6,122	167	2,673	183	6,927	209
Carriage and wagon materials	85	3,374	56	3,476	76	3,697	90	3,535	103
Car and car furnishings	5	839	.....	823	.....	860	.....	790	.....
Chewing gum	8	24	400	23	374	23	361	24	396
Churns	5	58	1	59	1	60	1	54	1
Cigars	422	3,001	5,895	2,989	5,989	2,885	5,693	2,911	5,500
Clothing	767	7,010	10,601	6,805	10,341	6,044	9,496	6,385	9,973
Clothes wringers and wash boards	3	12	.....	11	.....	11	.....	13	.....
Coffee, baking powder and spices	26	220	239	222	237	219	261	216	235
Coffins and burial cases	10	885	170	822	171	868	168	848	165
Confectionery	56	706	789	721	817	699	774	623	675
Cooperage	94	2,549	2	2,519	2	2,359	1	2,450	2
Copper and brass goods	53	2,061	94	1,968	88	1,887	87	2,076	96
Cordage and twine	3	653	149	701	181	669	176	681	119
Cotton and woolen goods (knit and woven)	57	1,086	3,369	1,065	3,304	920	3,126	1,063	3,319
Cutlery and edge tools	5	527	80	519	81	481	83	457	74
Dairy products	78	450	7	446	7	398	7	428	7
Dental and surgical chairs	3	114	.....	113	.....	113	.....	115	.....
Drugs, chemicals & druggists' sundries	99	1,500	415	1,547	428	1,548	406	1,522	382
Electrical goods and supplies	80	4,471	1,780	4,188	1,800	4,115	1,706	4,553	1,573
Elevators and hoisting machinery	9	231	.....	223	.....	223	.....	234	.....
Extracts, toilet articles & perfumery	24	185	139	177	130	167	115	160	121
Fertilizers	14	318	.....	287	.....	280	.....	338	.....
Fireworks	4	103	81	100	78	91	100	122	112
Flouring mill products	381	2,867	452	2,774	460	2,510	185	2,707	305
Foundry & machine shop products	334	29,200	1,052	27,282	998	25,509	979	29,841	1,049
Furniture	157	6,940	338	6,929	320	6,815	309	6,687	311
Furs	2	5	19	5	19	5	19	4	12
Gas and electricity	186	2,523	3	2,416	1	2,370	1	2,431	2
Glass works supplies	4	143	12	108	7	116	9	166	14
Glass and glassware	47	8,121	887	8,432	867	8,492	865	7,699	806
Gloves and mittens	15	101	558	97	543	89	519	120	553
Gun powder & other explosives	9	306	29	302	28	292	20	293	25
Handles	36	639	1	647	1	613	1	592	1
Hardware	34	3,391	389	3,379	389	3,202	346	3,308	372
Harness and saddlery	70	1,188	427	1,188	430	1,176	425	1,164	429
Hats, caps and furnishings	31	218	755	191	640	191	679	209	747
Hollow-ware	2	415	82	381	89	370	89	367	90
Ice (artificial)	55	522	1	397	1	472	1	523	1
Inks	5	142	2	140	1	140	1	142	2
Iron (structural and architectural)	48	4,631	.....	4,488	.....	4,079	.....	4,344	.....

TABLE III*h*—MANUFACTURES—STATE—Concluded.

Industries.	No. of establishments reported.	October.		November.		December.		Monthly Avge.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Jewelry and watches	24	1,149	553	1,152	552	1,157	554	1,129	554
Leather and leather goods	40	1,723	4	1,699	4	1,701	4	1,689	3
Lighting apparatus	10	224	53	232	87	239	87	234	66
Lime, sand, cement and plaster	68	2,088	2	1,929	2	1,573	1	2,008	1
Liquors (distilled)	43	704	340	705	315	667	270	664	306
Liquors (malt)	105	3,737	11	3,593	10	3,484	10	3,688	11
Lithographing, engraving and electrotyping	40	1,173	68	1,177	74	1,189	77	1,162	66
Macaroni	3	28	37	28	17	28	37	28	37
Machinery	249	21,024	80	19,920	79	19,316	80	21,009	78
Malt	6	107	.....	108	.....	109	.....	88	.....
Marble and granite	54	550	2	568	2	642	2	644	2
Marbles	2	21	39	21	39	21	39	21	39
Matches	2	748	276	755	278	763	294	721	261
Mattresses and pillows	24	315	236	310	231	300	217	294	213
Mouldings and frames	13	879	28	877	26	829	22	832	22
Oil cloth & window shade cloth	4	166	38	129	38	143	38	160	38
Oil and grease	26	2,948	73	2,870	78	2,693	69	2,620	63
Paints and varnishes	55	1,107	115	1,089	120	1,083	124	1,110	136
Patterns and models	20	219	10	209	11	188	11	216	9
Pianos & other musical instruments	15	908	21	914	21	911	19	871	19
Pickles, preserves and sauces	19	378	474	310	350	243	260	227	268
Plating	10	296	2	291	2	275	2	271	2
Plumbing, steam & gas fitting supplies	28	1,268	7	1,228	7	1,218	8	1,288	9
Pottery and stoneware	89	6,610	2,682	6,634	2,711	6,447	2,655	6,508	2,627
Potters' supplies	7	113	46	122	45	121	43	113	44
Printing and binding	640	7,290	3,529	7,307	3,558	7,358	3,593	7,182	3,459
Printers' rollers	2	5	.....	5	.....	5	.....	5	.....
Pumps and water wheels	32	1,977	15	1,947	14	1,890	15	1,906	13
Regalia	8	61	223	60	220	60	208	57	226
Roofing (steel, iron & tin)	29	338	9	332	9	265	9	317	9
Rubber goods	24	3,224	664	3,241	655	3,299	672	3,795	728
Rugs and carpet cleaning	6	81	48	75	39	73	35	84	43
Safes, vaults and locks	11	2,072	.....	2,049	.....	2,042	.....	2,014	.....
Salt	8	560	76	608	78	630	85	531	84
Sash, doors, lumber & interior finish	375	8,385	46	8,057	45	7,400	35	8,050	36
Slaughtering & meat packing	36	1,569	25	1,625	37	1,693	41	1,544	33
Soap, candles and tallow	47	1,442	705	1,448	704	1,412	672	1,409	660
Soda and mineral waters	91	368	6	349	6	350	4	385	6
Starch	2	40	12	41	12	34	12	29	11
Steel, iron and tin	94	35,317	197	28,322	194	28,673	196	37,662	213
Stencils, stamps and seals	16	78	10	78	10	77	10	78	10
Stone (cut, sawed and artificial)	32	3,055	1	2,345	1	1,888	1	2,537	1
Stoves, ranges & furnaces	89	6,407	24	6,158	25	5,947	22	6,321	24
Strawboards and paper	49	3,341	894	3,352	901	3,322	923	3,374	919
Sucker rods	2	36	.....	36	.....	37	.....	37	.....
Tinware, sheet iron & galvanized ironware	121	3,538	695	3,419	697	3,257	663	3,441	628
Tobacco (chewing & smoking)	20	854	1,000	952	972	953	988	1,043	1,020
Tools	88	5,515	75	5,297	75	5,149	75	5,541	77
Trunks and valises	16	282	38	280	39	260	37	257	35
Umbrellas and parasols	5	37	107	35	105	33	90	35	102
Whips	3	52	31	49	33	51	34	50	32
Wire rods, wire cloth and wire goods	37	1,581	147	1,565	142	1,575	137	1,579	141
Miscellaneous	293	8,144	1,651	8,053	1,594	7,893	1,556	7,875	1,530
Totals and averages	7,961	289,670	56,330	275,060	55,122	266,980	53,083	290,217	53,642

TABLE III*i*—MANUFACTURES—BY CITIES.

Cities.	No. of establishments reported.	January.		February.		March.	
		Males.	Females.	Males.	Females.	Males.	Females.
Akron	162	8,249	1,632	8,610	1,682	9,343	1,703
Alliance	29	2,035	66	1,930	67	1,866	72
Ashtabula	29	535	57	537	67	545	79
Bellaire	27	1,971	201	1,989	205	2,026	208
Bellefontaine	30	343	15	331	15	368	21
Bowling Green	19	212	41	214	40	194	40
Bucyrus	30	848	31	862	36	855	38
Cambridge	27	1,025	57	1,339	57	1,391	57
Canal Dover	18	1,005	26	1,078	26	1,127	26
Canton	117	6,175	828	6,242	891	6,269	922
Chillicothe	48	506	199	516	215	552	228
Circleville	28	352	82	350	83	363	89
Conneaut	20	174	33	170	34	235	38
Coshocton	31	716	314	729	302	733	316
Defiance	32	650	50	698	68	718	74
Delaware	28	338	162	346	167	346	167
East Liverpool	65	3,723	1,359	3,841	1,410	3,837	1,451
Elyria	39	899	145	896	161	936	159
Findlay	66	889	155	896	144	944	171
Fostoria	38	863	259	895	256	882	238
Fremont	50	1,006	481	766	454	846	466
Galion	21	282	28	284	28	301	28
Gallipolis	21	188	25	206	25	210	25
Glenville	1	120	.....	125	.....	123	.....
Greenville	22	213	8	173	13	210	14
Hamilton	105	6,396	846	6,388	837	6,481	866
Ironton	51	1,896	45	2,209	48	2,335	51
Kenton	33	568	72	597	96	633	106
Lancaster	40	1,147	377	1,143	375	1,152	382
Lima	79	1,661	558	1,725	562	1,793	567
Lorain	29	3,738	8	3,771	8	3,838	8
Mansfield	82	2,652	637	2,700	651	2,741	698
Marietta	73	1,070	85	1,090	102	1,169	108
Marion	43	1,672	101	1,754	108	1,876	130
Martins Ferry	22	2,024	70	1,894	71	1,869	69
Massillon	48	2,503	111	2,517	106	2,628	97
Middletown	40	2,051	559	1,986	589	1,962	563
Mt. Vernon	22	869	3	924	3	961	3
Nelsonville	11	264	2	255	2	288	2
Newark	52	2,391	253	2,417	260	2,487	254
New Philadelphia	27	396	50	381	56	437	56
Niles	24	1,711	106	1,687	117	1,695	119
Norwalk	38	528	142	550	144	574	158
Norwood	8	405	.....	405	.....	406	1
Painesville	24	188	15	188	16	190	17
Piqua	64	1,644	355	1,653	349	1,789	342
Portsmouth	68	2,977	1,280	3,024	1,282	3,082	1,258
St. Marys	21	559	105	562	107	552	107
Salem	28	1,436	86	1,438	89	1,447	97
Sandusky	100	1,763	459	1,788	464	1,974	479
Sidney	31	706	85	736	91	763	97
Springfield	140	6,456	541	5,994	522	6,391	535
Steubenville	36	4,450	297	4,393	287	4,462	284
Tiffin	69	1,218	475	1,208	489	1,214	481
Troy	23	545	122	627	137	667	138
Urbana	34	540	90	552	88	556	88
Van Wert	16	124	78	125	78	139	78
Warren	57	1,177	418	1,180	410	1,138	425
Washington C. H.	22	292	98	290	100	321	101
Wellston	12	665	6	636	7	711	7
Wellsville	17	808	136	799	136	814	135
Wooster	26	354	87	355	85	365	85
Xenia	29	1,174	191	1,047	181	1,079	199
Youngstown	79	13,504	170	14,113	182	14,503	179
Zanesville	89	3,763	904	3,716	875	3,824	862
Totals and averages	2,810	111,602	16,277	112,840	16,556	116,526	16,862

TABLE III*i*—MANUFACTURES—BY CITIES.

April.		May.		June.		July.		August.		September.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
9,743	1,710	9,645	1,643	9,662	1,552	9,224	1,540	8,927	1,538	8,659	1,708
1,858	67	1,849	67	1,815	65	1,818	65	1,893	64	1,949	68
536	89	542	83	539	92	537	88	500	86	518	87
2,086	206	2,162	210	2,226	209	2,048	197	1,968	199	2,091	209
365	30	361	30	351	30	307	22	332	22	330	23
216	41	214	43	224	42	213	42	218	42	234	55
867	39	837	41	837	40	814	36	800	48	772	44
1,386	59	1,393	59	1,423	77	1,019	28	1,341	57	1,228	58
1,127	22	1,185	22	1,189	23	1,086	16	1,147	22	1,160	24
6,445	901	6,396	869	6,165	842	5,826	846	5,931	880	5,953	924
594	254	565	253	776	576	587	505	763	561	754	563
374	99	366	106	480	138	430	117	1,494	434	1,593	386
242	47	239	52	252	61	195	45	138	29	156	73
766	335	760	339	681	309	671	326	689	315	742	354
764	81	772	78	740	69	723	72	724	69	724	78
361	169	356	170	355	167	345	160	347	155	360	158
3,829	1,482	3,894	1,489	3,840	1,484	3,574	1,312	3,714	1,430	3,874	1,459
992	160	984	160	988	140	942	129	964	140	922	148
915	188	930	195	938	197	952	133	921	128	944	129
951	269	945	275	941	273	736	216	826	267	956	288
913	471	986	467	1043	466	1,018	471	1,030	480	1,074	508
319	29	320	29	324	31	351	27	341	25	317	26
212	25	212	25	229	25	217	25	262	25	278	25
122	.....	120	.....	120	.....	115	.....	120	.....	122	.....
240	17	230	23	150	8	147	8	138	8	144	8
6,628	935	6,710	973	6,682	990	6,559	958	6,614	932	6,491	927
2,089	52	1,703	48	1,470	52	1,605	31	1,805	50	1,883	51
630	116	641	108	536	70	517	68	521	63	650	70
1,160	385	962	390	958	392	954	391	941	397	953	398
1,831	660	1,939	726	2,009	797	2,022	823	2,038	777	2,041	793
3,912	9	4,255	9	4,132	9	4,363	8	4,464	8	4,502	9
2,763	721	2,727	748	2,696	811	2,573	832	2,688	827	2,694	853
1,172	115	1,265	89	1,285	145	1,300	145	1,289	143	1,220	140
1,921	142	1,957	157	1,898	171	1,860	174	1,861	182	1,801	177
1,908	79	1,952	76	2,025	77	1,884	57	1,989	62	2,084	61
2,629	68	2,695	63	2,696	68	2,108	88	2,095	87	2,411	88
1,968	558	1,967	620	1,996	602	1,692	371	1,909	680	1,715	556
1,011	4	1,079	6	1,142	7	1,169	7	1,159	7	1,113	7
324	2	318	2	318	2	334	2	340	2	331	5
2,473	246	2,547	246	2,549	243	1,755	247	1,975	242	2,563	239
712	51	838	51	824	50	797	47	678	45	741	69
1,717	128	1,804	134	1,800	136	1,745	121	1,777	138	1,706	140
638	168	672	169	698	165	707	160	656	166	645	163
407	1	407	1	407	.....	407	.....	408	.....	408	1
202	20	217	20	231	21	240	23	235	23	237	20
1,868	347	1,854	351	1,824	352	1,804	350	1,781	348	1,738	352
3,092	1,220	3,213	1,204	3,243	1,261	3,137	1,261	3,163	1,254	3,193	1,223
529	107	537	108	534	108	487	106	513	106	516	107
1,456	101	1,457	109	1,470	116	1,473	112	1,476	116	1,477	110
1,823	493	1,884	499	1,889	501	1,887	488	1,859	481	2,002	513
761	95	778	95	784	90	772	88	737	81	728	89
6,493	471	6,411	481	6,260	470	6,196	441	6,229	431	6,059	470
4,690	284	4,982	287	4,907	279	4,765	192	5,036	181	5,314	255
1,236	468	1,301	493	1,317	491	1,308	497	1,308	491	1,252	481
663	139	623	139	647	138	568	129	531	108	497	84
514	90	530	90	539	96	545	92	553	92	561	99
150	78	137	78	140	78	137	78	147	78	139	78
1,135	445	1,137	438	1,217	429	1,143	431	1,191	461	1,200	458
329	95	356	91	367	96	378	102	379	102	374	106
758	7	796	7	666	6	605	7	613	7	607	7
889	135	923	135	957	135	988	135	846	135	829	133
374	86	380	88	383	84	189	84	191	88	185	89
1,134	188	1,090	194	1,117	192	1,141	200	1,048	200	1,006	184
14,033	167	13,982	175	14,110	174	13,098	168	13,832	190	13,565	183
3,878	869	3,865	898	3,201	896	2,872	893	2,842	888	3,[illegible]41	882
118,123	17,135	119,154	17,324	118,212	17,716	111,979	16,833	115,245	17,693	116,426	18,073

TABLE III*i*—MANUFACTURES—BY CITIES—Concluded.

Cities.	No. of establishments reported.	October.		November.		December.		Monthly Avge.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Akron	162	8,492	1,866	8,316	1,890	8,063	1,590	8,911	1,671
Alliance	29	1,896	70	1,743	64	1,790	65	1,870	67
Ashtabula	29	534	99	544	101	548	100	535	86
Bellaire	27	1,972	200	1,720	204	1,803	205	2,005	204
Be lefontaine	30	334	30	338	30	346	25	342	24
Bowling Green	19	229	70	214	43	200	42	215	45
Bucyrus	30	754	45	746	39	744	35	811	39
Cambridge	27	1,198	58	704	58	632	57	1,173	57
Canal Dover	18	1,095	29	1,000	28	911	30	1,093	24
Canton	117	6,071	947	5,910	885	5,856	870	6,103	884
Chillicothe	48	586	298	571	259	557	259	611	347
Circleville	28	597	175	345	97	329	89	589	158
Conneaut	20	162	74	137	29	120	23	185	45
Coshocton	31	774	373	783	377	782	346	736	334
Defiance	32	708	70	679	73	674	52	714	70
Delaware	28	359	178	338	179	334	162	349	166
East Liverpool	65	3,894	1,478	3,917	1,465	3,807	1,396	3,812	1,435
Elyria	39	940	146	950	166	935	167	946	152
Findlay	66	1,000	136	941	109	1,007	105	940	149
Fostoria	38	1,001	329	996	330	1,059	307	921	276
Fremont	50	1,125	521	1,123	518	1,017	521	995	485
Galion	21	311	25	311	23	239	30	308	27
Gallipolis	21	284	27	275	27	270	25	237	25
Glenville	1	125	.....	125	.....	120	.....	121	.....
Greenville	22	161	8	164	8	196	19	181	12
Hamilton	105	6,444	920	6,318	902	6,150	836	6,488	910
Ironton	51	1,805	50	1,689	48	1,554	45	1,837	48
Kenton	33	662	106	654	106	487	73	591	88
Lancaster	40	958	397	1,161	404	1,194	400	1,057	391
Lima	79	2,066	821	2,036	883	1,903	822	1,922	732
Lorain	29	4,567	9	3,285	9	2,783	8	3,968	8
Mansfield	82	2,593	868	2,241	890	1,893	845	2,580	782
Marietta	73	1,198	139	1,184	139	1,115	143	1,197	124
Marion	43	1,754	170	1,682	161	1,664	160	1,808	153
Martins Ferry	22	2,092	66	1,336	52	1,724	52	1,898	66
Massillon	48	2,400	88	2,420	89	2,271	89	2,448	87
Middletown	40	1,559	545	1,732	537	1,775	550	1,860	561
Mt. Vernon	22	1,064	6	1,036	3	980	3	1,042	5
Nelsonville	11	318	5	351	5	307	5	312	3
Newark	52	2,612	225	2,740	223	2,716	225	2,435	242
New Philadelphia	27	555	64	498	58	422	58	607	55
Niles	24	1,585	145	1,540	141	1,533	141	1,692	130
Norwalk	38	675	162	657	178	651	174	637	162
Norwood	8	409	1	409	1	408	1	407	1
Painesville	24	222	20	225	19	213	15	216	19
Piqua	64	1,764	349	1,713	352	1,567	351	1,750	350
Portsmouth	68	3,137	1,200	2,920	1,242	2,948	1,263	3,094	1,246
St. Marys	21	527	107	541	105	539	104	533	106
Salem	28	1,449	107	1,444	105	1,414	100	1,453	104
Sandusky	100	2,127	516	2,049	522	1,893	527	1,912	495
Sidney	31	720	85	699	88	703	89	740	89
Springfield	140	5,925	479	5,762	476	5,661	498	6,153	485
Steubenville	36	4,505	232	3,748	250	3,955	252	4,601	257
Tiffin	69	1,265	474	1,208	467	1,168	454	1,250	480
Troy	23	490	90	523	101	532	108	576	119
Urbana	34	563	106	569	102	588	103	551	95
Van Wert	16	127	78	126	78	125	78	135	78
Warren	57	1,175	486	1,204	501	1,144	483	1,170	449
Washington C. H.	22	358	106	312	106	308	106	339	101
Wellston	12	582	7	600	7	550	7	649	7
Wellsville	17	725	132	622	132	658	131	821	134
Wooster	26	183	94	183	99	185	91	277	88
Xenia	29	1,024	190	1,012	180	1,016	200	1,074	192
Youngstown	79	12,355	186	10,913	186	10,714	167	13,227	177
Zanesville	89	3,085	881	2,898	887	2,823	883	3,326	885
Totals and averages	2,810	112,226	17,964	105,130	17,836	102,573	17,160	113,336	17,286

TABLE IV.

GIVING BY OCCUPATIONS, NUMBER EMPLOYED, AVERAGE NUMBER OF DAYS WORKED, AVERAGE DAILY WAGES, AVERAGE YEARLY EARNINGS, AVERAGE HOURS OF DAILY LABOR FOR THE YEAR 1903.

TABLE IVa—MANUFACTURES—CLEVELAND.

ADVERTISING NOVELITIES AND SIGNS—2 ESTABLISHMENTS

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Designer	1	300	$2 75	$825 00	9
Electricians	3	300	2 25	675 00	9
Sign writers	5	300	2 00	600 00	9
AWNINGS, TENTS AND FLAGS—4 ESTABLISHMENTS.					
Blacksmith	1	302	2 25	679 50	10
Finisher	1	302	2 25	679 50	10
Hangers	44	283	2 00	566 00	10
Hostler	1	200	1 66	332 00	10
Riggers	4	275	2 50	687 50	10
Sail makers	12	275	2 50	687 50	10
BAGS (PAPER AND BURLAP)—4 ESTABLISHMENTS.					
Back tenders	4	300	1 20	360 00	12
Balers	2	308	1 50	462 00	10
Beatermen	2	308	1 92	591 36	12
Beatermen's helpers	4	308	1 56	480 48	12
Bleachers	6	300	1 30	390 00	12
Carpenter	1	308	2 25	693 00	10
Coaters	3	308	1 25	385 00	10
Compositors	8	298	1 72	512 56	10
Cutters	3	302	1 37	383 74	11.3
Cutters (boys)	7	300	85	255 00	12
Engineers	10	300	2 28	684 00	11.6
Engravers	11	295	2 10	619 50	9
Finishers	2	300	1 55	465 00	12
Firemen	15	299	1 49	445 51	11.7
Foremen	11	299	3 46	1,034 54	10
Helper	1	300	1 45	435 00	12
Laborers	63	296	1 61	476 56	10
Laborers (boys)	2	308	1 05	323 40	12
Machine hands	18	295	2 09	616 55	10.8
Machinist	1	308	1 75	539 00	10
Machinist's helper	1	308	1 33	409 64	10
Millwright	1	300	2 00	600 00	12
Packers	14	290	1 75	507 50	10
Pressmen	24	293	2 41	706 13	10
Pressmen's helpers	3	308	1 25	385 00	10
Stack hand	1	308	1 40	431 20	10
Teamsters	5	298	1 53	355 94	10.8
Watchmen	4	297	1 56	463 32	10
BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—11 ESTABLISHMENTS.					
Annealers	4	303	2 15	651 45	10
Apprentices	32	309	91	281 19	10
Assemblers	86	299	2 27	678 73	9.4
Bench hands	18	291	1 94	564 54	9.8
Blacksmiths	26	304	2 31	702 24	9.1
Blacksmiths' helpers	25	303	1 79	542 37	9.6
Brazer	1	300	2 75	825 00	9.6
Buffers	3	302	2 17	655 34	9.8
Carpenters	71	308	2 20	677 60	9
Core makers	6	308	2 40	739 20	9
Draughtsmen	15	303	2 69	815 07	9.1
Engineers	2	304	2 95	896 80	10.5
Errand boys	2	300	75	225 00	9.5
Firemen	2	301	1 87	562 87	10.2
Foremen	14	291	3 61	1,050 51	10
Grinders	140	288	1 66	478 08	10
Hammermen	2	287	2 15	617 05	10
Hardeners	4	287	2 00	574 00	10
Helpers	27	285	1 17	333 45	10
Laborers	111	301	1 58	475 58	9.7
Laborers (boys)	5	302	1 22	368 44	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—11 ESTABLISHMENTS. Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machine hands	108	304	$1 75	$532 00	10
Machinists	261	303	2 57	778 71	9.6
Machinists' helpers	223	306	2 12	648 72	9
Mechanics	16	220	2 60	572 00	10
Molders	22	307	2 65	813 55	9
Packers	2	300	1 75	525 00	9.5
Painters	49	306	2 43	743 58	9.2
Pattern makers	7	308	2 89	890 12	9.2
Platers	5	302	2 00	604 00	9.9
Polishers	16	302	2 21	667 42	9.8
Pressmen	2	300	1 75	525 00	9.5
Rubbers	53	308	1 90	585 20	9
Shippers	6	303	1 50	454 50	10
Stock hands	7	221	1 67	369 07	9.7
Teamster	1	310	1 60	496 00	10
Tinners	42	307	2 05	629 35	9
Tool makers	36	299	3 06	914 94	9.5
Trimmers	25	305	2 42	738 10	9.3
Trimmers' helpers	12	308	1 80	554 40	9
Watchmen	3	293	1 70	498 10	12
Welders (electric)	19	303	1 70	515 10	10

BILLIARD TABLES, BAR AND STORE FIXTURES—4 ESTABLISHMENTS.

Bench hands	27	302	2 25	679 50	10
Cabinet makers	15	323	2 60	839 80	9
Engineers	2	287	2 62	751 94	9.5
Finishers	17	310	2 10	651 00	9.7
Foreman	1	275	4 00	1,100 00	9
Glass workers	5	300	2 50	750 00	10
Laborers	18	305	1 73	527 65	9.9
Machine hands	20	317	2 58	817 86	9.5
Metal workers	3	300	2 50	750 00	10
Teamsters	2	320	1 87	598 40	9
Wood workers	15	300	2 50	750 00	10

BOILERS, ENGINES AND TANKS—11 ESTABLISHMENTS.

Apprentices	9	296	1 11	328 56	9.8
Blacksmiths	63	305	2 69	820 45	9.9
Blacksmiths' helpers	3	285	1 85	527 25	10
Boiler makers	209	304	2 94	893 76	9.6
Boiler makers' helpers	122	303	1 77	536 31	9.6
Calkers	18	307	3 00	921 00	10
Carpenters	43	307	3 00	921 00	10
Draughtsmen	9	307	3 40	1,043 80	8
Engineers	5	304	2 28	693 12	9
Foremen	3	300	3 50	1,050 00	9
Helpers	18	300	2 00	600 00	9
Holders-on	60	307	2 25	690 75	10
Iron workers	275	307	2 75	844 25	10
Joiners	84	307	2 90	890 30	10
Laborers	366	305	1 54	469 70	9.8
Machinists	174	306	2 76	844 56	10
Machinists' helpers	68	307	1 75	537 25	10
Molders	66	307	3 00	921 00	10
Molders' helpers	54	307	1 50	460 50	10
Painters	83	307	1 55	475 85	10
Pattern makers	18	317	3 25	1,030 25	10
Riveters	120	307	2 75	844 25	10
Rivet heaters	77	305	1 50	457 50	9.7
Rivet heaters (boys)	53	304	80	243 20	9.6

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
BOOTS AND SHOES—3 ESTABLISHMENTS.					
Bottomers	12	300	$1 60	$480 00	10
Cutters	72	300	1 42	426 00	10
Finishers	97	300	1 52	456 00	10
Lasters	11	302	1 75	528 50	10
Shipping clerks	16	300	1 67	501 00	10
Shoe maker	1	300	2 00	600 00	9
Stock room hands	34	300	1 46	438 00	10
Turn hands	54	300	1 92	576 00	10
Welt hands	10	300	1 74	522 00	10
BOXES (PAPER)—4 ESTABLISHMENTS.					
Box makers	10	302	2 00	604 00	9
Cutters	15	304	1 70	516 80	9.6
Engineer	1	300	3 00	900 00	12
Engravers	3	300	2 41	723 00	8.8
Feeders	4	300	1 67	501 00	9
Form maker	1	300	2 25	675 00	9
Helpers	16	304	1 18	358 72	9.6
Machinists	2	300	3 75	1,125 00	9
Pressmen	3	300	3 00	900 00	9
Scorers	2	300	2 25	675 00	9
Shippers	2	300	1 88	564 00	10
Teamster	1	305	1 50	457 50	9
Watchman	1	300	2 00	600 00	9
BOXES (WOODEN)—14 ESTABLISHMENTS.					
Box makers	36	281	1 65	463 65	9.7
Cutters	13	298	2 25	670 50	10
Engineers	8	282	2 27	640 14	10
Filers	3	300	2 42	726 00	10
Firemen	5	283	1 59	449 97	10.2
Foreman	1	223	3 00	669 00	10
Helpers	15	276	70	193 20	10
Laborers	47	294	1 55	455 70	10
Laborers (boys)	43	297	88	261 36	10
Machine hands	25	294	2 20	646 80	10
Mill hands	32	256	2 21	565 76	9.2
Millwright	2	272	2 67	726 24	9.5
Nailers	38	290	2 22	643 80	10
Nailers' helpers	18	303	94	284 82	9.9
Planers	4	295	2 10	619 50	10
Sawyers	59	293	2 20	644 60	10
Teamsters	33	293	1 83	536 19	10
Turners	2	289	2 40	693 60	10
Watchmen	4	264	1 70	448 80	11.7
Yard hands	33	292	1 53	446 76	10
BREAD AND OTHER BAKERY PRODUCTS—19 ESTABLISHMENTS.					
Apprentices	2	300	1 50	450 00	8
Bakers	214	305	2 35	716 75	9
Bench hands	14	306	2 00	612 00	9
Clerk	1	306	2 00	612 00	10
Coopers	2	280	1 75	490 00	9
Drivers	47	308	2 39	736 12	10.9
Engineers	7	299	2 47	738 53	11.1
Firemen	2	306	1 80	550 80	12
Helpers	8	306	1 63	498 78	9.1
Hostlers	12	306	1 70	520 20	10.8
Laborers	51	305	1 78	542 90	10
Laborers (boys)	2	263	1 00	263 00	9
Machine hands	2	280	2 40	672 00	9
Machine hands' helpers	2	280	2 00	560 00	9
Machinists	2	303	3 00	909 00	10
Oven tenders	2	280	2 00	560 00	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

BREAD AND OTHER BAKERY PRODUCTS—19 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Rollers	2	280	$1 50	$420 00	9
Shipping clerks	11	302	2 05	619 10	9.8
Shipping clerks' assistant	1	280	1 50	420 00	9
Truckmen	8	306	2 10	642 60	10
BRICK AND TILE—14 ESTABLISHMENTS.					
Blacksmith	1	288	2 50	720 00	10
Brick loaders	14	227	2 32	526 64	10.3
Brick makers	78	171	2 15	367 65	9.9
Burners	36	249	2 70	672 30	11.6
Car loaders	14	297	1 94	576 18	10
Carpenter	1	288	2 00	576 00	10
Dryer hands	6	288	1 83	527 04	9
Dumpers	4	187	2 25	420 75	8.7
Engineers	21	253	2 59	655 27	10.4
Firemen	3	282	2 13	600 66	12
Foreman	1	288	2 25	648 00	10
Helpers	9	268	1 77	474 36	10.2
Hostlers	2	248	1 50	372 00	9
Hoisting machine hand	1	300	2 50	750 00	10
Laborers	117	265	1 79	474 35	9.9
Laborers (boys)	6	233	1 00	233 00	9.6
Machine hands	44	264	2 17	572 88	9.5
Millwright	1	274	2 90	794 60	10
Miners	22	264	1 98	522 72	9.5
Molders	35	214	2 31	494 34	8.1
Pallet boys	4	271	99	268 29	9
Pug mill hands	5	241	1 56	375 96	8.8
Sanders	3	180	1 80	324 00	8.7
Sanders (boys)	3	288	1 08	311 04	9
Setters	36	262	2 52	660 24	9.3
Shovelers	10	222	2 20	488 40	9
Steam shovel hands	4	288	2 16	622 08	10
Teamsters	65	224	1 94	434 56	10.6
Teamsters (with team)	8	240	4 25	1,020 00	10
Temperer	1	300	1 75	525 00	10
Tossers	4	200	2 25	450 00	9
Tuckers	16	185	2 23	412 55	8.7
Wheelers	24	220	2 26	497 20	9.1
BROOMS AND BRUSHES—5 ESTABLISHMENTS.					
Assorters	5	300	1 25	375 00	9
Broom makers	6	300	2 08	624 00	9.1
Brush makers	19	301	1 77	532 77	9.6
Combers	3	300	75	225 00	10
Cutter	1	300	75	225 00	10
Laborers	28	300	1 25	375 00	10
Laborer (boy)	1	305	1 00	305 00	8
Machine hands	14	301	2 00	602 00	10
Sander	1	300	1 00	300 00	10
Sewers	5	300	1 75	525 00	9
BUTTONS (PEARL)—2 ESTABLISHMENTS.					
Cutters	8	260	1 85	481 00	8
Driller	1	306	1 50	459 00	9.5
Grinders	8	285	79	225 15	8.1
Sorter	1	306	83	253 98	9.5
Turners	2	306	2 50	765 00	9.5

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

CARRIAGES AND WAGONS—27 ESTABLISHNEMTS

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	5	300	$1 56	$468 00	9.6
Blacksmiths	67	302	2 65	800 30	9.7
Blacksmiths' helpers	36	304	1 77	538 08	9 9
Foreman	1	300	2 75	825 00	9
Helpers	47	302	1 75	528 50	9.6
Laborers (boys)	2	303	82	248 46	9.5
Letterer	1	305	3 00	915 00	9.2
Painters	103	302	2 30	694 60	9.5
Painters' helpers	2	297	1 37	406 89	9
Porters	2	315	2 00	630 00	10
Trimmers	21	303	2.74	830 22	9.7
Woodworkers	68	302	2 64	797 28	9.7
CARRIAGE AND WAGON MATERIALS—2 ESTABLISHMENTS.					
Day hands	4	280	1 50	420 00	10
Finishers	7	280	1 50	420 00	10
Fitters	14	280	1 90	532 00	10
Forgers	15	280	1 92	537 60	10
Grinders	5	280	1 75	490 00	10
Laborers	3	300	2 00	600 00	10
Trimmers	4	300	3 00	900 00	10
CHEWING GUM—2 ESTABLISHMENTS.					
Box maker	1	291	2 75	800 25	9.5
Gum makers	2	291	3 13	910 00	9.5
Laborers	8	291	2 45	712 95	9.5
CIGARS—41 ESTABLISHMENTS.					
Apprentices	2	300	1 37	411 00	8
Bunch makers	21	250	1 73	432 50	8
Cigar makers	268	288	2 16	622 08	8.1
Foremen	2	300	2 75	825 00	9
Helpers	2	303	1 12	339 36	10
Packers	11	277	2 52	698 04	8
Porter	1	260	1 66	431 60	8
Rollers	2	250	1 10	275 00	8
Stogie makers	60	250	2 00	500 00	8
Strippers	2	187	68	127 16	9.5
CLOTHING—159 ESTABLISHMENTS.					
Bushelmen	56	302	2 30	694 60	9.5
Button hole makers	2	278	2 50	695 00	9
Coat makers	413	298	2 96	882 08	9.4
Clerk	1	300	1 50	450 00	9
Cloak makers	10	300	3 00	900 00	8
Cutters	290	297	2 73	810 81	9
Cutters' assistants	9	283	1 32	373 56	8.8
Designers	5	289	5 26	1,520 14	9.2
Engineer	1	305	2 50	762 50	9
Errand boys	6	288	70	201 60	9.8
Examiners	5	295	3 62	1,067 90	9
Finisher	1	300	1 50	450 00	9
Fitters	5	300	2 25	675 00	9
Fireman	1	305	2 00	610 00	9
Foremen	4	301	3 08	927 08	9.5
Helpers	24	301	1 54	463 54	9.2
Machine hands	506	304	3 74	1,136 96	9
Machinist	1	281	3 00	843 00	9
Machinist's assistant	1	281	1 50	421 50	9
Packers	2	250	2 25	562 50	9
Porters	6	304	1 50	456 00	9.3
Pressers	187	298	2 18	649 64	9
Shipping clerks	4	285	1 71	487 35	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

CLOTHING—159 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Shirt hands	14	300	$2 28	$684 00	9.4
Skirt makers	4	300	1 87	561 00	9.2
Stock hands	29	292	1 79	522 68	9
Tailors	695	298	3 11	926 78	9.1
Trimmers	14	305	2 00	610 00	9.1
Trousers makers	119	301	2 55	767 55	9.4
Vest makers	85	301	2 38	716 38	9.3
COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.					
Drivers	2	307	1 50	460 50	10
Engineer	1	307	2 50	767 50	12
Hostler	1	307	2 00	614 00	12
Laborer	1	307	1 50	460 50	10
Laborer (boy)	1	300	50	150 00	9
Mill hands	2	307	2 00	614 00	10
Packers	3	304	1 50	456 00	9.6
Shipping clerk	1	307	2 50	767 50	10
COFFINS AND BURIAL CASES—2 ESTABLISHMENTS.					
Blacksmith	1	306	2 25	688 50	10
Casket makers	30	276	2 20	607 20	10
Casters	5	276	2 00	552 00	10
Cloth coverer	1	306	2 50	765 00	10
Drivers	2	306	1 92	587 52	10
Engineer	1	276	2 50	690 00	10
Firemen	2	276	1 87	516 12	10
Laborers	15	276	1 25	345 00	10
Machinists	2	276	2 75	759 00	10
Packers	4	276	2 75	759 00	10
Painters	9	279	1 99	555 21	10
Platers	2	276	2 50	690 00	10
Polishers	14	276	2 00	552 00	10
Tinner	1	276	2 50	690 00	10
Trimmers	9	276	1 75	483 00	10
Undertakers	3	306	3 00	918 00	10
Watchmen	2	276	1 87	516 12	10
Wood workers	2	306	2 00	612 00	10
CONFECTIONERY—9 ESTABLISHMENTS.					
Bakers	27	365	2 24	817 60	10
Candy makers	20	309	2 18	673 62	10
Candy makers (boys)	14	346	71	245 66	10
Cheese makers	21	365	1 66	605 90	10
Cream makers	19	365	2 11	770 15	10
Creamery hands	3	365	2 00	730 00	10
Coolers	2	300	67	201 00	10
Drivers	32	362	2 35	850 70	8.4
Engineers	3	316	2 94	929 04	10
Fireman	1	300	1 50	450 00	10
Foremen	5	343	3 90	1,337 70	9.9
Laborers	42	321	1 45	465 45	10
Laborers (boys)	8	365	45	164 25	2
Pressman	1	300	1 50	450 00	10
Roaster	1	300	1 50	450 00	10
Shaker	1	300	1 50	450 00	10
Shippers	6	300	1 95	585 00	9.6
Watchman	1	300	1 50	450 00	10
Weigher	1	300	1 15	345 00	10

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

COOPERAGE—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmith	1	290	$2 00	$580 00	10.7
Coopers	69	299	2 00	598 00	9.7
Coopers' helpers	6	290	1 75	507 50	10
Engineer	1	290	2 50	725 00	10
Fireman	1	290	1 50	435 00	10
Foreman	2	290	3 00	870 00	10
Laborers	37	296	1 50	444 00	9.8
Laborers (boys)	27	290	88	255 20	9.7
Machine hands	15	292	1 68	490 56	10
Mill hands	4	290	1 75	507 50	10
Nailers	3	290	2 00	580 00	10
Piece workers	80	293	1 60	468 80	10
Saw filer	1	290	3 00	870 00	10
Sawyers	12	290	2 00	580 00	10
Shipping clerks	2	290	1 75	507 50	10
Teamsters	17	299	1 68	502 32	10
Watchman	1	290	2 00	580 00	10
Yard hands	3	290	1 75	507 50	10
COPPER AND BRASS GOODS—18 ESTABLISHMENTS					
Apprentices	26	253	79	199 87	9
Assemblers	11	300	1 81	543 00	9
Bench hands	15	300	2 12	636 00	9
Buffers	32	297	2 30	683 10	9
Cabinet makers	15	300	2 25	675 00	9
Carpenters	22	298	2 25	670 50	9
Core makers	48	292	1 86	543 12	9.1
Electro plater	1	300	1 90	570 00	9.5
Engineers	2	255	2 25	573 75	9
Finishers	171	292	2 45	715 40	9
Fitters	16	304	2 13	647 52	9
Foreman	1	260	3 38	878 80	9
Furnace hands	6	278	2 25	625 50	9.3
Grinders	2	240	2 50	600 00	9
Helpers	11	294	1 55	455 70	9
Laborers	44	291	1 61	468 51	9
Laborers (boys)	2	210	1 00	210 00	9
Lacquerers	3	314	2 00	628 00	9
Machine hands	44	288	1 63	469 44	9.2
Machinists	37	300	2 11	633 00	9
Molders	95	293	2 33	682 69	9.2
Packers	3	300	1 75	525 00	9
Painters	3	300	2 00	600 00	9
Pattern makers	2	240	2 75	660 00	9
Polishers	16	295	2 02	595 90	8.8
Sheet metal workers	10	300	2 25	675 00	9
Shipping clerks	4	288	1 75	504 00	9
Spinners	2	314	2 80	879 20	9
Stock hands	3	300	1 75	525 00	9
Tack makers	5	300	3 00	900 00	9
Teamster	1	306	1 60	489 60	10
Tinners	5	298	2 75	819 50	9
Tool makers	7	282	3 00	846 00	9
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—9 ESTABLISHMENTS					
Carders	21	296	1 38	408 48	10
Clerks	2	297	1 89	561 33	10
Combers	6	297	1 26	374 22	10
Drawers	5	297	1 38	409 86	10
Dressers	5	297	2 12	629 64	10
Engineers	4	297	2 10	623 70	10
Finishers	3	295	1 50	442 50	10
Foremen	10	295	3 41	1,005 95	10
Knitters	15	286	2 73	780 78	8.4
Knitters (boys)	10	300	75	225 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—9 ESTABLISHMENTS. Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers	162	292	$1 43	$417 56	10
Laborers (boys)	28	304	72	218 88	8.5
Loom fixers	12	297	2 07	614 79	10
Machine hands	50	296	1 73	512 08	10
Shipping clerks	6	297	1 55	460 35	10
Spinners	19	296	1 01	298 96	10
Twisters	4	297	1 08	320 76	10
Weavers	19	299	1 18	352 82	10
Winders	2	297	1 08	320 76	10
Wool washers	27	297	1 32	392 04	10
DAIRY PRODUCTS—3 ESTABLISHMENTS.					
Butter maker	1	321	5 00	1,605 00	9
Churners	2	321	2 00	642 00	9
Creamery hands	14	365	2 00	730 00	9.9
Drivers	39	365	1 85	675 25	7.3
Engineers	2	321	3 75	1,203 75	9
Hostlers	4	365	1 75	638 75	10
Laborers	10	351	1 61	565 11	8.9
Milk hand	1	321	2 50	802 50	9
Separator	1	321	2 50	802 50	9
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—12 ESTABLISHMENTS.					
Artificial limb maker	1	310	2 00	620 00	9
Blacksmiths	4	365	2 50	912 50	10
Blacksmiths' helpers	4	365	1 60	584 00	10
Boiler makers'	2	365	2 65	967 25	10
Boiler makers' helpers	2	365	1 60	584 00	10
Boilers	10	104	2 29	238 16	12
Bur cutters	6	300	2 50	750 00	9
Carpenters	22	365	2 42	883 30	10
Carpenters' helpers	2	365	1 75	638 75	10
Chemist	1	300	3 00	900 00	8
Chemist's assistant	1	300	1 10	330 00	8
Clerk	1	300	2 00	600 00	8
Distillation hands	16	104	2 04	212 16	12
Engineers	2	306	2 60	795 60	10
Fireman	1	300	2 00	600 00	10
Foreman	1	300	3 33	999 00	10
Instrument makers	4	300	2 25	675 00	10
Laboratory hands	4	104	2 52	262 08	12
Laborers	483	321	1 72	552 12	11
Machinists	46	308	1 89	582 12	9.1
Machinists' helpers	5	365	1 50	547 50	10
Masons	14	365	4 30	1,569 50	10
Masons' helpers	14	365	1 50	547 50	10
Mixer	1	307	2 00	614 00	9
Painters	2	365	1 77	646 05	10
Platers	2	300	2 50	750 00	9
Pipe fitters	2	365	2 75	1,003 75	10
Pipe fitters' helpers	2	365	1 50	547 50	10
Plumbers	4	365	2 90	1,058 50	10
Plumbers' helpers	4	365	1 00	365 00	10
Polishers	10	300	2 00	600 00	9.5
Steel turners	4	300	1 75	525 00	10
Stillmen	4	320	2 16	691 20	12
Tool makers	2	300	3 25	975 00	10
ELECTRICAL GOODS AND SUPPLIES—26 ESTABLISHMENTS.					
Apprentices	43	305	1 10	335 50	9
Armature makers	5	285	1 85	527 25	9
Armature winders	24	304	2 32	705 28	10
Assemblers	143	255	1 43	364 65	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

ELECTRICAL GOODS AND SUPPLIES—26 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bench hands	27	307	$1 71	$524 97	9.9
Blacksmiths	3	305	2 70	823 50	9
Blacksmiths' helpers	3	305	1 90	579 50	9
Buffers	21	287	2 19	628 53	9
Carbon makers	4	293	2 00	586 00	10
Carpenters	34	298	2 58	767 84	9.5
Casting cleaners	59	305	1 75	533 75	9
Chandelier makers	8	285	2 00	570 00	9
Commutator builders	6	306	1 58	483 48	10
Coil makers	16	300	1 34	402 00	10
Core makers	54	305	2 79	850 95	9
Dipper	1	285	2 00	570 00	9
Draughtsmen	4	306	2 92	893 52	10
Electrical workers	23	305	1 50	457 50	9.8
Electricians	11	289	2 29	661 81	9.8
Engineers	11	284	2 77	786 68	10.8
Field winders	2	300	2 25	675 00	10
Filament maker	1	204	4 00	816 00	10
Filers	2	285	1 75	498 75	9
Finisher	1	204	3 00	612 00	10
Firemen	13	298	2 05	610 90	11.8
Fitters	12	285	2 20	627 00	9
Foremen	37	301	3 20	963 20	9.9
Furnace tenders	6	300	1 87	561 00	10
Glass worker	1	204	5 00	1,020 00	10
Hammermen	4	300	2 25	675 00	10
Heaters	4	300	1 75	525 00	10
Helpers	19	295	1 20	354 00	9.7
Hydraulic pressmen	2	300	2 15	645 00	10
Insulators	10	306	1 50	459 00	10
Laborers	977	302	1 50	453 00	9.6
Laborers (boys)	4	300	1 15	345 00	10
Lacquerer	1	285	2 25	641 25	9
Lamp makers	10	265	1 70	450 50	10
Machine hands	125	279	1 65	460 35	9.9
Machinists	218	283	2 39	676 37	9.7
Mantle makers	5	200	1 00	200 00	9
Mill hands	2	300	1 60	480 00	10
Millright	1	300	2 75	825 00	10
Mixers	3	300	1 50	450 00	10
Molders	160	303	2 81	851 43	9.4
Packers	6	265	1 00	265 00	10
Pattern makers	23	303	3 25	984 75	9
Platers	20	304	1 88	571 52	9.8
Polishers	3	308	3 03	933 24	9
Sheet metal worker	1	300	2 75	825 00	8
Shipping clerks	7	265	2 00	530 00	9.5
Spinners	3	285	2 40	684 00	9
Steam fitter	1	305	2 75	838 75	9
Stock hands	8	274	1 81	495 94	9.7
Switchboard hands	8	307	2 25	690 75	10
Teamsters	2	305	1 95	594 75	10
Testers	15	307	1 75	537 25	10
Tinners	23	302	1 91	576 82	9.8
Tool and die makers	18	304	2 66	808 64	9.9
Trimmers	2	300	1 75	525 00	10
Watchmen	10	292	1 82	531 44	11.5
Winders	11	336	1 75	588 00	10
Wiremen	4	265	2 00	530 00	10
ELEVATORS AND HOISTING MACHINERY—2 ESTABLISHMENTS.					
Blacksmith	1	310	2 85	883 50	10
Carpenters	4	310	2 75	852 50	10
Electricians	2	310	2 85	883 50	10
Helpers	6	306	1 50	459 00	9
Laborers	11	310	1 65	511 50	10
Machinists	29	309	2 62	809 58	9.8
Millwright	10	309	3 05	942 45	9.8

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

EXTRACTS, TOILET ARTICLES AND PERFUMERY—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Drivers	2	303	$1 87	$566 61	10
Helpers	3	306	1 25	382 50	10
Laborers	4	306	2 00	612 00	10
Packers	3	306	2 00	612 00	10
Porters	3	300	1 50	450 00	10
FERTILIZERS—3 ESTABLISHMENTS.					
Blacksmiths	3	347	2 26	784 22	10
Carpenters	4	365	2 50	912 50	10
Engineers	4	314	2 62	822 68	10
Firemen	4	365	1 80	657 00	10
Foremen	7	321	2 14	686 94	10
Laborers	142	356	1 59	566 04	10
Machinist	1	365	3 50	1,277 50	10
Teamsters	14	327	1 90	621 30	10
Watchmen	3	365	1 75	638 75	10
FLOURING MILL PRODUCTS—3 ESTABLISHMENTS.					
Engineers	3	202	2 94	593 88	10
Firemen	2	150	2 00	300 00	10
Laborers	21	222	1 64	364 08	10
Millers	4	150	2 50	375 00	10
Packers	11	150	2 00	300 00	10
Teamsters	13	242	1 75	423 50	10
Warehouse hand	1	306	2 08	636 48	10
Watchman	1	150	2 00	300 00	10
FOUNDRY AND MACHINE SHOP PRODUCTS—66 ESTABLISHMENTS.					
Aligners	4	288	3 00	864 00	10
Apprentices	47	297	1 27	377 19	9.9
Assemblers	35	296	2 07	612 72	10
Bench hands	87	302	1 47	443 94	10
Blacksmiths	121	298	2 25	670 50	9.8
Blacksmiths' helpers	21	299	1 83	547 17	9.7
Bolt headers	69	298	2 98	864 20	9.6
Bolt headers' helpers	32	305	2 00	610 00	10
Buffers	8	302	3 00	906 00	9
Carpenters	60	294	2 52	740 88	10
Chain makers	13	300	2 75	825 00	10
Chemists	2	300	3 00	900 00	10
Chippers	67	283	1 73	489 59	10
Clampers	10	281	1 70	477 70	8
Core makers	332	291	2 34	680 94	9.9
Core makers' helper	1	308	1 50	462 00	10
Crane hands	8	258	1 96	505 68	8.7
Cupola tenders	13	266	2 08	553 28	9.6
Cutters	41	293	1 09	319 37	10
Draughtsman	1	280	2 00	560 00	10
Drill hands	5	307	1 05	322 35	10
Electricians	7	304	2 75	836 00	10.2
Engineers	45	292	2 65	773 80	10.7
Feeders	49	290	1 00	290 00	10
Finishers	3	310	1 75	542 50	9
Firemen	5	296	1 75	518 00	10.2
Foremen	2	266	2 96	787 36	10
Furnace hands	82	297	2 26	671 22	11
Gear cutters	8	306	2 30	703 80	10
Grate maker	1	300	2 00	600 00	8
Grate maker's helper	1	300	1 00	300 00	8
Grinders	54	300	1 38	414 00	10
Hammermen	14	300	5 00	1,500 00	10
Headermen	43	290	2 20	638 00	10
Heaters	27	300	2 89	867 00	10
Heaters' helpers	50	300	2 00	600 00	10

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—66 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Helpers	341	294	$1 73	$508 62	10
Japanners	7	281	1 57	441 17	10
Laborers	3,809	288	1 54	443 52	10
Laborers (boys)	89	301	1 16	349 16	9.9
Ladle hands	2	222	1 65	366 30	10
Lathe hands	1	306	2 00	612 00	10
Machine hand	169	301	1 72	517 72	10
Machinists	659	299	2 56	765 44	9.9
Machinists' helpers	31	315	2 00	630 00	10
Masons	10	308	4 25	1,309 00	10
Mechanics	58	265	2 03	537 95	8.5
Melters	4	286	2 38	680 68	9
Mill hands	5	300	1 50	450 00	10
Molders	1,940	288	2 84	817 92	9
Molders' helpers	60	303	1 58	478 74	10
Mounters	10	185	3 00	555 00	9
Nutmakers	157	297	2 24	665 28	9.8
Nutters	206	295	87	256 65	9.7
Operators	61	290	1 73	501 70	10
Packers	82	300	1 80	540 00	9.8
Paperers	10	285	1 60	456 00	9
Pattern makers	50	292	2 92	852 64	10
Piece workers	15	270	2 40	648 00	10
Pipe fitters	2	308	2 75	847 00	10
Pittmen	8	258	2 15	554 70	8.7
Pittmen's helpers	5	281	1 80	505 80	8
Platers	69	297	1 81	537 57	10
Pointers	59	297	1 06	314 82	9.8
Polishers	91	299	1 67	499 33	9.8
Press hands	83	303	1 83	554 49	9.6
Punchers	5	284	2 35	667 40	10
Rammers	10	281	2 40	674 40	8
Rammers' helpers	10	281	1 80	505 80	8
Rivet makers	45	288	2 86	823 68	10.3
Shavers	5	282	1 62	456 84	9.6
Shipping clerks	31	291	1 70	494 70	10.1
Shovel makers	45	304	1 72	522 88	10
Sorters	35	300	2 00	600 00	10
Sorters (boys)	9	298	91	271 18	10
Stoolers	10	281	1 75	491 75	8
Structural iron workers	77	299	1 65	493 35	10
Teamsters	10	300	1 77	531 00	9.9
Temperers	3	293	1 70	498 10	10
Threaders	158	297	1 06	314 82	9.6
Tool makers	17	294	2 98	876 12	10
Trimmers	31	305	1 50	457 50	10
Turners	11	303	2 30	696 90	9.9
Washer makers	14	300	1 05	315 00	10
Watchmen	13	291	1 88	547 08	10.5
Weighers	2	281	1 75	491 75	10
Welders	3	304	1 90	577 60	10
Wrench hands	20	285	1 65	470 25	9
FURNITURE—12 ESTABLISHMENTS.					
Apprentices	3	300	1 00	300 00	9
Bench hands	15	297	2 39	709 83	9.5
Cabinet makers	22	300	2 22	666 00	8.6
Engineer	1	294	2 50	735 00	10
Finishers	52	301	1 88	565 88	9.9
Fitters	6	301	1 62	487 62	10
Helpers	16	300	1 08	324 00	10
Laborers	25	297	1 56	463 32	10
Machine hands	17	300	2 42	726 00	8.8
Machinist	1	294	3 00	882 00	10
Packers	3	294	2 00	588 00	10
Painters	4	294	1 88	552 72	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

FURNITURE—12 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pattern maker	1	294	$3 00	$882 00	10
Polishers	2	300	2 25	675 00	9
Porters	6	300	1 50	450 00	10
Teamsters	5	300	2 00	600 00	9.8
Tinners	12	300	2 50	750 00	9
Trimmers	4	300	1 75	525 00	10
Ucholsterers	68	289	2 11	609 79	10
Watchman	1	294	2 00	588 00	12
Wood workers	6	300	2 00	600 00	10
GAS AND ELECTRICITY—3 ESTABLISHMENTS.					
Blacksmith	1	365	3 27	1,193 50	9
Boiler hands	25	365	1 86	678 90	9
Chargers	24	365	2 40	876 00	12
Coke hands	60	365	2 00	730 00	10
Dynamo tenders	7	365	2 33	850 45	9
Engineers	21	365	2 80	1,022 00	10
Firemen	167	365	2 23	813 95	10.5
Foremen	19	365	2 76	1,007 40	10
Hostlers	2	365	1 93	704 45	9
Joiner	1	365	3 50	1,277 50	9
Laborers	273	365	1 71	624 15	9.7
Lamp makers	5	365	2 32	846 80	9
Lineman	29	365	2 52	919 80	9
Machinists	14	365	2 05	748 25	9
Meter men	39	365	2 26	824 90	9.6
Patrolmen	6	365	2 63	959 95	9
Shed hands	16	365	1 90	693 50	12
Shop hands	30	365	2 25	821 25	10
Stock hands	4	365	2 30	839 50	9
Telephone hands	2	365	1 30	474 50	9
Time keeper	1	365	2 89	1,054 85	9
Trimmers	25	365	1 91	697 15	9
Truck hand	1	365	2 08	759 20	9
Watchmen	2	365	2 00	730 00	9
Wiremen	16	365	2 15	784 75	9
GLASS AND GLASSWARE—3 ESTABLISHMENTS.					
Bevelers	3	300	1 47	441 00	9
Buffer	1	300	2 17	651 00	10
Cutters	2	300	1 93	579 00	10
Glaziers	19	278	2 03	564 34	8.4
Laborer (boy)	1	300	58	174 00	10
Polisher	1	300	1 50	450 00	10
Rougher	1	300	2 50	750 00	10
Silverers	2	300	2 37	711 00	9.5
Smoother	1	300	2 37	711 00	9.5
Teamster	1	300	1 50	450 00	9
GUNPOWDER AND OTHER EXPLOSIVES—2 ESTABLISHMENTS					
Backsmith	1	270	2 50	675 00	8
Engineers	2	270	3 50	945 00	10
Firemen	7	270	1 96	529 20	10
Laborers	16	276	1 50	414 00	8
Machine hands	8	285	1 80	513 00	8
Machinists	3	285	3 55	1,011 75	8
Mechanics	3	270	2 50	675 00	8
Millwright	1	270	3 00	810 00	8
Powder makers	28	270	2 18	588 60	8
Teamsters	8	270	1 79	483 30	10

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

HARDWARE—14 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Assemblers	12	300	$0 61	$183 00	10
Bench hands	4	288	2 00	576 00	10
Blacksmiths	27	278	2 40	667 20	10
Box makers	2	294	1 75	514 50	10
Can makers	4	300	1 17	351 00	10
Carpenters	2	300	2 25	675 00	10
Core makers	34	294	1 25	367 50	10
Countersinkers (boys)	10	288	75	216 00	10
Drivers	2	308	1 75	539 00	10
Engineers	6	295	3 34	985 30	9.8
Fireman	1	300	1 60	480 00	10
Fitters	100	294	1 75	514 50	10
Foremen	25	294	3 40	999 60	10
Forgers	37	300	2 90	870 00	10
Furnace hands	7	294	2 30	676 20	10
Grinders	2	200	2 13	426 00	10
Hardware makers	45	300	1 60	480 00	10
Helpers (boys)	8	288	80	230 40	10
Japanner	1	305	2 50	762 50	10
Laborers	832	294	1 61	473 34	10
Laborers (boys)	5	300	75	225 00	9.5
Lacquerers	2	288	1 85	532 80	10
Lock makers	10	300	2 00	600 00	10
Machine hands	13	305	2 05	625 25	10
Machinists	142	288	2 34	673 92	10
Machinists' helpers	3	300	2 00	600 00	10
Metal stampers	32	300	1 23	369 00	10
Molders	417	295	2 27	669 65	10
Packers	7	297	1 78	528 66	10
Painters	2	200	1 00	300 00	10
Pattern makers	31	293	2 59	758 87	10
Platers	7	299	2 51	650 49	10
Platers' helpers	3	288	1 00	288 00	10
Polishers	61	296	2 03	600 88	10
Porter	1	300	1 00	300 00	10
Press hands	29	293	1 57	460 01	10
Rolling mill hands	12	286	2 10	600 60	10
Shipping clerks	8	298	1 51	449 98	9.9
Shipping clerks' helpers	3	288	1 45	417 60	10
Tinners	5	306	2 60	795 60	8.3
Tool makers	25	304	3 03	921 12	10
Watchmen	6	295	2 15	634 25	10.2

HARNESS AND SADDLERY—10 ESTABLISHMENTS.

Collar makers	2	300	3 00	900 00	9
Fitters	5	307	1 85	567 95	10
Harness makers	24	300	2 12	636 00	9.9
Harness makers' helper	1	300	60	180 00	9
Machine hand	1	307	1 75	537 25	10

HATS, CAPS AND FURNISHINGS—7 ESTABLISHMENTS.

Apprentices	4	300	90	270 00	9.5
Blockers	31	276	1 54	425 04	9
Box makers	6	275	1 25	343 75	9
Cap makers	21	310	2 20	682 00	9
Cutters	7	292	1 75	511 00	9.1
Finishers	2	300	70	210 00	9.5
Hatter	1	300	3 00	900 00	9
Laborers	8	275	1 25	343 75	9
Packers	3	275	1 50	412 50	9
Pressers and stampers	25	275	1 50	412 50	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

ICE (ARTIFICIAL)—3 ESTABLISHMFNTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers	12	314	$2 97	$932 58	12
Fireman	13	318	1 92	610 58	12
Foremen	1	200	2 50	500 00	12
Laborers	28	365	1 86	678 90	11
Oiler	1	226	2 00	452 00	12
Pullers	5	215	1 80	387 00	12
INKS—2 ESTABLISHMENTS.					
Ink makers	4	282	1 95	549 90	9
Ink makers' helper	1	305	1 25	381 25	9
Paint makers	11	275	1 60	440 00	9
IRON (STRUCTURAL AND ARCHITECTURAL)—13 ESTABLISHMENTS.					
Apprentices	5	281	1 10	309 10	9.2
Blacksmiths	56	302	2 05	619 10	9.3
Blacksmiths' helpers	1	306	1 75	535 50	10
Boiler makers	115	301	1 80	541 80	10
Carpenter	1	281	2 50	702 50	9.2
Chippers	3	281	1 80	505 80	9.2
Core makers	6	291	2 75	800 25	10
Draughtsmen	26	304	3 13	951 52	9.1
Electrical workers	5	281	1 70	477 70	9.2
Engineers	2	293	2 57	753 15	9.6
Fence makers	2	150	1 90	285 00	10
Fireman	1	281	2 10	590 10	9.2
Foreman	1	306	3 00	918 00	10
Foundry hands	55	301	1 85	556 85	10
Helpers	13	281	1 70	477 70	9.2
Iron workers	641	303	1 95	590 85	9.4
Laborers	104	296	1 63	482 48	9.9
Machine hands	3	281	2 30	646 30	9.2
Machinists	268	297	2 38	706 86	9.7
Molders	19	291	3 10	902 10	10
Painters	41	306	1 76	538 56	9.2
Pattern makers	20	282	3 08	868 56	9.8
Punch hand	1	306	2 25	688 50	10
Riveters	7	302	1 79	540 58	9.9
Riveters' helpers	4	306	1 50	459 00	10
Roofers	15	285	1 75	498 75	9.5
Teamsters	5	303	1 70	515 10	10
Tool makers	8	281	2 90	814 90	9.2
Wire workers	19	304	2 21	671 84	10
JEWELRY AND WATCHES—3 ESTABLISHMENTS.					
Apprentices	6	123	50	61 50	9
Engravers	4	86	2 75	236 50	9
Jewelers	15	222	3 05	677 10	9
Polishers	2	86	2 50	215 00	9
LEATHER AND LEATHER GOODS—4 ESTABLISHMENTS.					
Beam hands	5	301	2 16	650 16	10
Belt makers	9	309	2 11	651 99	10
Curriers	11	303	2 09	633 27	10
Engineers	3	302	2 33	703 66	11.3
Finisher	1	306	2 00	612 00	10
Foremen	3	300	3 75	1,125 00	10
Japanners	14	300	2 17	651 00	10
Laborers	9	301	1 52	457 52	10
Machinist	1	300	3 00	900 00	10
Shaver	1	306	2 00	612 00	10
Splitters	4	300	5 00	1,500 00	10
Tackers	2	300	2 25	675 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

LEATHER AND LEATHER GOODS—4 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Tanners	16	310	$1 71	$530 10	10
Teamsters	2	303	1 66	502 98	10
Watchman	1	300	2 00	600 00	14
Whitener	1	306	2 00	612 00	10
Yard hand	1	306	1 83	559 98	10
LIME, SAND, CEMENT AND PLASTER—2 ESTABLISHMENTS.					
Engineer	1	294	2 50	735 00	10
Fireman	1	294	2 00	588 00	11
Machine hands	3	294	1 88	552 72	10
Laborers	27	292	1 62	473 04	10
Plaster mixers	2	294	2 00	588 00	10
Teamster	1	294	1 75	514 50	10
LIQUORS (MALT)—9 ESTABLISHMENTS.					
Apprentices	6	309	1 72	531 48	9
Bar tenders	5	309	1 60	494 40	9
Blacksmiths	5	308	2 85	877 80	8
Bottlers	9	304	1 70	516 80	9.2
Bottle washers	3	310	1 25	387 50	10
Brewers	141	307	2 69	825 83	9
Carpenters	22	308	3 09	951 72	8.9
Cellar hands	18	308	2 96	911 68	9
Coopers	14	308	2 73	840 84	9.3
Drivers	138	305	2 81	857 05	9.4
Engineers	43	307	2 89	887 23	8.6
Firemen	48	308	1 97	606 76	8
Foremen	3	253	3 47	877 91	9.3
Harness maker	1	308	2 00	616 00	10
Hostlers	34	307	2 05	629 35	9.8
Kettle hands	2	306	2 77	847 62	9
Laborers	31	287	1 70	487 90	9.6
Machinist	1	306	2 00	612 00	9
Malt hands	13	308	2 14	659 12	10
Painters	3	308	2 50	770 00	8
Plumber	1	308	3 00	924 00	10
Tinners	2	308	2 75	847 00	8
Wash house hands	35	309	2 48	766 32	9
Watchmen	11	309	2 19	676 71	9.3
Wood worker	1	308	2 75	847 00	8
LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—8 ESTABLISHMENTS.					
Apprentices	9	277	94	260 38	8.8
Artists	39	302	3 52	1,063 04	8
Blockers	2	270	2 08	561 60	9
Builder	1	270	1 50	405 00	9
Caster	1	270	1 50	405 00	9
Cutters	2	300	2 50	750 00	9
Driver	1	270	2 33	629 10	9
Electrotypers	20	327	1 83	598 41	9
Engravers	55	301	2 39	719 39	8.3
Errand boy	1	300	50	150 00	9
Etchers	2	300	2 00	600 00	8
Feeders	4	300	1 00	300 00	9
Finishers	7	280	2 97	831 60	8.6
Floor hands	2	290	1 60	464 00	8
Helpers	3	290	75	217 50	8
Lithographers	25	307	1 85	567 95	9
Molders	2	280	3 17	887 60	8.5
Photographers	2	300	2 25	675 00	8
Pressmen	4	300	2 25	675 00	9
Printers	20	307	3 00	921 00	9
Proofer	1	300	1 50	450 00	8
Router	1	300	2 50	750 00	8
Stone polisher	1	300	2 00	600 00	9
Transferers	5	300	2 25	675 00	9

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

MACARONI—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foreman	1	300	$2 00	$600 00	10
Laborers	7	300	1 50	450 00	10
Macaroni makers	18	291	1 50	436 50	10
Shipping clerk	1	300	2 00	600 00	10
MACHINERY—44 ESTABLISHMENTS.					
Apprentices	431	293	1 56	457 08	9.8
Assemblers	171	287	2 06	591 22	9.2
Bench hands	40	272	1 75	476 00	10
Blacksmiths	127	296	2 46	728 16	9.8
Blacksmiths' helpers	20	301	1 72	517 72	9.2
Boiler makers	56	312	3 05	951 60	10
Bridge workers	276	290	1 95	565 50	10
Carpenters	71	298	2 54	756 92	9.7
Case hardeners	4	277	2 48	686 96	10
Core makers	30	309	2 97	917 73	9.6
Crane hands	14	305	1 72	524 60	9
Craters	19	272	2 00	544 00	10
Draughtsmen	180	296	3 50	1,036 00	9.3
Drill hands	25	312	1 48	461 76	9
Electrical workers	8	306	1 58	483 48	10
Electricians	12	304	2 40	729 60	9.1
Elevator hands	2	272	1 50	408 00	10
Engineers	22	301	2 83	851 83	10.7
Erectors	200	290	2 80	812 00	10
Firemen	12	301	2 13	641 13	11
Fitters	61	306	1 63	498 78	10
Floor hands	17	306	2 60	795 60	9
Foremen	66	288	3 10	892 80	9.5
Galvanizers	3	300	2 50	750 00	9
Helpers	530	301	1 57	472 57	9.3
Japanners	11	272	2 25	612 00	10
Laborers	440	296	1 52	449 92	9.5
Laborers (boys)	9	298	92	274 16	9.3
Machine hands	339	295	2 05	604 75	9.1
Machinists	1,695	297	2 62	778 14	9.6
Machinists' helpers	67	297	1 71	507 87	9.6
Marble worker	1	300	2 50	750 00	9
Masons	13	299	4 30	1,285 70	9.4
Mechanical engineers	24	305	7 79	2,375 95	8
Melters	9	308	2 64	813 12	11.1
Mill hands	30	272	1 00	272 00	10
Millwrights	13	306	2 81	859 00	9.9
Molders	124	309	3 21	991 89	9.6
Pipe fitters	5	305	2 26	689 30	9.1
Planers	2	300	2 50	750 00	9
Plastersers	12	290	4 00	1,160 00	10
Polishers	12	272	3 25	884 00	10
Porter	1	300	1 00	300 00	9
Press hands	3	306	1 25	382 50	9.5
Punch hands	2	291	2 40	698 40	10
Riveters	6	291	1 75	509 25	10
Road hands	19	306	1 53	468 18	10
Shipping clerk	1	291	2 50	727 50	10
Stock hands	17	274	1 64	449 36	10
Stone dressers	2	306	2 50	765 00	10
Structural iron workers	65	305	2 26	689 30	9.1
Structural iron workers' helpers	34	305	1 52	463 60	9
Sweepers	6	272	1 58	429 76	10
Teamsters	7	298	2 40	715 20	9.6
Tinner	1	291	2 50	727 50	10
Tool makers	138	292	2 66	776 72	9.4
Vise hands	3	300	2 75	925 00	9
Watchmen	15	303	1 93	584 79	11.1
Yard hands	99	290	1 79	519 10	10

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

MARBLE AND GRANITE—8 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	2	280	$1 00	$280 00	8
Blacksmiths	2	258	2 18	562 44	8.5
Carpenters	2	235	2 00	470 00	9
Copers	3	235	1 90	446 50	9
Cutters	45	267	2 74	731 58	8.4
Draughtsmen	2	235	3 75	881 25	9
Engineers	2	235	2 75	646 25	10
Foreman	1	300	3 00	900 00	9
Laborers	27	264	1 81	477 84	8.6
Machinist	1	235	3 00	705 00	10
Mosaic workers	20	235	1 80	423 00	10
Planers	4	235	2 15	505 25	9
Polishers	30	253	2 13	538 89	8.8
Rubbers	13	245	2 00	490 00	9
Setters	19	252	3 87	975 24	8
Setters' helpers	15	235	1 75	411 25	8
Teamsters	2	290	2 00	580 00	9
MATTRESSES AND PILLOWS—3 ESTABLISHMENTS.					
Feather hand	1	308	1 67	514 36	10
Fillers	3	308	2 25	693 00	10
Finishers	4	300	2 50	750 00	10
Foremen	2	303	2 75	833 25	9.5
Foremens' assistant	1	298	1 50	447 00	9
Laborers	3	298	1 50	447 00	9
Machine hands	4	300	1 75	525 00	10
Mattress makers	10	298	1 75	521 50	9
Mattress makers' helpers	4	298	1 50	447 00	9
Pickers	3	308	1 50	462 00	10
Shipping clerk	1	318	2 00	616 00	10
Teamsters	3	298	1 75	521 50	9
MOULDINGS AND FRAMES—4 ESTABLISHMENTS.					
Composition hands	10	294	1 22	358 68	10
Composition ornamenters	20	300	1 50	450 00	10
Engineer	1	300	2 25	675 00	10
Finishers	107	293	1 71	501 03	10
Fitters	6	290	1 87	542 30	10
Foremen	5	299	2 55	762 45	10
Frame cutter	1	281	1 65	463 65	10
Gilders	10	281	2 00	562 00	10
Gilders' helpers	5	300	1 50	450 00	10
Joiners	20	297	1 64	487 08	10
Laborers	64	286	1 62	463 32	10
Lumber hands	4	281	1 25	351 25	10
Mill hands	10	289	1 34	387 26	10
Mounters	6	281	1 65	463 65	10
Packers	19	294	1 38	405 00	10
Polishers	12	281	2 00	562 00	10
Sand paperers	4	281	1 50	421 50	10
Sawyers	3	281	1 50	421 50	10
Sticker hands	4	281	1 75	491 75	10
Teamsters	3	286	1 75	500 50	10
Whiting hands	2	281	1 60	449 60	10
Whiting hands' helpers	4	281	1 25	351 25	10
Wood workers	11	300	2 10	630 00	10
OIL AND GREASE—8 ESTABLISHMENTS.					
Barrel makers	60	297	1 85	549 45	9
Barrel makers (boys)	16	297	88	261 36	9
Barrel repairers	12	297	2 22	659 34	10
Barrel repairers (boys)	3	297	1 24	368 28	10
Boilermakers	44	297	2 90	861 30	9
Boiler men	2	333	1 75	582 75	10.5

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

OIL AND GREASE—8 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmiths	14	299	$2 50	$747 50	9.1
Blacksmiths' helpers	10	297	1 60	475 20	9
Can makers	40	297	2 00	594 00	10
Can makers (boys)	57	297	1 00	297 00	10
Canners	4	297	1 74	516 78	10
Canners (boys)	4	297	82	243 54	10
Candle molders	16	297	1 75	519 75	10
Carpenters	87	297	1 90	564 30	9
Coopers	10	322	2 15	692 30	9.8
Compounders	9	298	2 57	765 86	11.1
Engineers	10	308	2 96	911 68	11.5
Fillers	4	297	89	264 33	10
Firemen	63	298	2 26	673 48	11.7
Foremen	2	308	2 50	770 00	10
Grease box makers	2	297	1 86	552 42	10
Grease box makers (boys)	25	297	83	246 51	10
Grease fillers (boys)	8	297	88	261 36	10
Grease makers	7	297	2 37	703 89	10
Laborers	499	298	1 70	506 60	9.2
Lithographers	2	297	3 55	1,054 35	10
Lithograph transferer	1	297	4 15	1,232 55	10
Machinists	43	297	2 50	742 50	9.5
Machine oil filler	1	297	1 95	579 15	10
Masons	9	297	4 50	1,336 50	9
Masons' helpers	8	297	2 00	594 00	9
Packing-case makers	20	297	1 90	564 30	10
Packing-case makers (boys)	22	297	82	243 54	10
Painters	10	297	1 75	519 75	9
Pipe fitters	19	297	1 85	549 45	9.5
Printers	32	297	2 08	617 76	9
Pumpers	9	304	2 43	738 72	11.7
Shipping clerks	22	297	2 25	668 25	10
Stave inspectors	4	297	2 00	594 00	10
Stillmen	8	314	2 51	788 14	11.7
Still inspector	1	297	1 67	495 99	5
Switching crew	6	297	2 25	668 25	10
Tank cleaners	5	297	1 84	546 48	9
Teamsters	251	297	2 01	596 97	10
Tinsmiths	12	297	2 25	668 25	9
Treaters	8	305	2 74	835 70	9.9
Warehouse hands	7	345	2 11	727 95	9
Watchmen	9	301	2 25	677 25	12.2
PAINTS AND VARNISHES—16 ESTABLISHMENTS.					
Assemblers	4	300	1 75	525 00	9.8
Blacksmiths	2	277	2 12	587 24	10
Binders	2	277	1 66	459 82	9.5
Carpenters	9	280	2 42	677 60	9.3
Color makers	7	297	2 21	656 37	10
Compositors	7	277	3 04	842 08	9.5
Cook	1	277	1 75	484 75	10
Coopers	4	304	2 19	665 76	9.7
Dryer maker	1	300	2 37	711 00	9
Electricians	2	277	2 70	747 90	10
Engineers	15	287	2 47	708 89	11.1
Feeders	12	277	1 66	459 82	9.5
Fillers	22	287	1 65	473 55	8
Filterer	1	300	1 75	525 00	9
Fireman	1	297	2 14	635 58	12
Grinders	16	306	1 89	578 34	9.8
Helpers	45	289	1 71	494 19	9.7
Laborers	222	282	1 69	476 58	9.8
Machine hands	40	277	1 75	484 75	10
Machinists	20	279	2 54	708 66	9.6

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

PAINTS AND VARNISHES—16 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machinists' apprentices	15	277	$1 90	$526 30	10
Melters	3	300	3 50	1,050 00	9
Mill hands	15	287	2 00	574 00	8
Mixers	11	306	1 90	581 40	9.9
Packers	28	300	1 59	477 00	9.2
Paint makers	11	297	1 76	522 72	10
Pressmen	18	277	2.32	642 64	12
Printers	2	310	2 25	697 50	10
Samplers	9	277	2 08	576 16	9.5
Shipping clerks	4	302	2 19	661 38	9.5
Solderers	4	277	2 20	609 40	10
Stone dressers	2	310	3 00	930 00	10
Teamsters	5	308	2 40	739 20	9.3
Testers	2	308	1 60	492 80	10
Tinners	22	284	1 80	511 20	8.6
Varnish makers	27	286	3 47	992 42	9.7
Varnish makers' helpers	3	310	1 80	558 00	10
Ware house hand	1	308	2 75	847 00	10
Watchmen	7	294	1 97	579 18	10.9
PATTERNS AND MODELS—3 ESTABLISHMENTS.					
Finisher	1	306	2 63	804 78	10
Laborers	2	306	1 50	459 00	10
Millwright	1	306	2 50	765 00	10
Pattern makers	72	293	2 66	779 38	10
PIANOS AND OTHER MUSICAL INSTRUMENTS—2 ESTABLSHMENTS.					
Assemblers	12	298	2 50	745 00	10
Cabinet makers	12	298	2 00	596 00	10
Engineer	1	298	2 25	670 50	10
Finishers	11	298	2 25	670 50	10
Laborers	4	298	1 50	447 00	10
Machine hands	8	298	2 50	745 00	10
Organ builders	12	302	2 00	604 00	10
Tuners	2	298	2 00	596 00	10
Wood carver	1	298	3 40	1,013 20	8.5
PLATING—2 ESTABLISHMENTS.					
Apprentices	3	300	1 15	345 00	9
Buffers	3	300	2 33	699 00	9
Helper	1	300	75	225 00	9
Platers	4	300	2 94	882 00	9
Polishers	8	300	2 44	732 00	9
PLUMBING, STEAM AND GAS FITTING SUPPLIES—10 ESTABLISHMENTS.					
Assemblers	5	300	1 75	525 00	9
Blacksmith	1	306	3 00	918 00	9
Buffers	10	300	2 50	750 00	9
Chandelier makers	20	307	2 00	614 00	9
Cock makers	23	284	1 99	565 16	9
Core makers	18	279	1 64	457 56	9.1
Engineers	2	263	2 62	689 06	10
Finishers	43	287	2 31	662 97	9.1
Fitters	10	307	2 00	614 00	9
Foremen	7	310	2 95	914 50	8.3
Furnacemen	3	300	2 25	675 00	9.3
Helpers	6	302	1 17	353 34	9.7
Laborers	53	300	1 34	402 00	8.8
Laborers (boys)	4	302	1 15	347 00	9
Machine hands	22	243	2 12	515 16	9.1
Machinists	10	305	2 58	786 90	8.8
Metal hands	2	291	2 50	727 50	10
Molders	27	283	2 33	659 39	9.2

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

PLUMBING, STEAM AND GAS FITTING SUPPLIES—10 ESTABLISHMENTS.—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pattern makers	2	300	$3 00	$900 00	9
Plater	1	300	2 50	750 00	9
Platers' helpers	3	300	1 25	375 00	9
Polishers	36	287	2 37	680 19	9.2
Press hands	5	300	1 75	525 00	8
Shipping clerk	1	291	1 75	509 25	10
Steam fitters	9	296	3 50	1,036 00	8.2
Steam fitters' helpers	10	299	1 78	532 22	8
Tester	1	291	1 75	509 25	10
Tool makers	2	300	3 00	900 00	9
Watchman	1	291	1 50	436 50	10
PRINTING AND BINDING—52 ESTABLISHMENTS.					
Apprentices	34	303	85	257 55	9
Artists	7	324	6 00	1,944 00	8.4
Binders	97	293	2 23	653 39	9
Binders (boys)	6	316	81	255 96	9.2
Compositors	283	295	2 74	808 30	9.1
Compositors (boys)	3	305	1 47	448 35	9
Cutters	24	306	2 18	667 08	9.1
Die stampers	2	307	2 75	844 25	9
Draughtsman	1	312	2 00	624 00	4
Editors	3	304	4 17	1,267 68	8.3
Electrotype caster	1	307	1 58	485 06	9
Electrotype finishers	2	307	3 25	997 75	9
Electrotype molder	1	307	3 00	921 00	9
Electrotypers	8	208	2 00	416 00	9
Elevator hands	2	313	1 00	313 00	9
Engineers	5	288	2 73	786 24	9.2
Engineers' assistant	1	312	2 50	780 00	9
Engravers	6	316	3 53	1,115 48	8
Errand boys	34	302	67	202 34	9.2
Feeders	174	203	1 42	288 26	9
Finishers	8	306	2 70	826 20	9
Firemen	2	294	1 67	490 98	9.5
Foremen	5	307	3 32	1,019 24	9.1
Forwarders	6	306	2 42	740 52	9
Helpers	9	309	1 00	309 00	9
Janitors	2	310	1 83	567 30	9.5
Laborers	5	208	1 90	395 20	9
Laborer (boy)	1	281	80	224 80	10
Linotype operators	13	309	3 50	1,081 50	8.1
Machinists	3	306	3 80	1,162 80	9.3
Nailers	9	251	1 35	338 85	9
Make-ups	3	312	3 33	1,038 96	8
Packers	6	302	93	280 86	9
Planer	1	333	2 50	832 50	9
Porters	5	290	1 81	524 90	9.4
Pressmen	140	301	2 51	755 51	9
Pressmen's assistants	3	307	1 36	417 52	9
Proof readers	6	297	3 11	923 67	9.2
Rulers	22	308	2 95	908 60	9
Shipping clerks	6	320	1 71	547 20	9.2
Stereotypers	5	312	2 58	804 96	8
Stock hands	2	305	1 67	509 35	9
Stone polishers	4	306	2 56	783 36	9
Teamster	1	307	1 50	460 50	9
Transferers	9	313	3 89	1,217 57	9
Watchman	1	313	2 00	626 00	10
PUMPS AND WATER WHEELS—2 ESTABLISHMENTS.					
Carpenters	2	240	2 25	540 00	9
Helper	1	240	1 50	360 00	9
Machinists	2	302	2 50	755 00	10
Machinists' helpers	2	302	1 50	453 00	10
Painters	2	240	1 50	360 00	9
Teamster's	1	240	1 75	420 00	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
ROOFING (IRON, STEEL AND TIN)—4 ESTABLISHMENTS.					
Laborers	8	253	$1 75	$442 75	8
Roofers	16	248	2 64	654 72	8
Tinners	14	302	2 50	755 00	8
Collar maker	1	306	1 17	358 02	9
Foreman	1	260	1 66	431 60	10
Weaver	1	300	3 50	1,050 00	9
RUBBER GOODS—3 ESTABLISHMENTS.					
Collar maker	1	306	1 17	358 02	9
Foreman	1	260	1 66	431 60	10
Weaver	1	300	3 50	1,050 00	9
RUGS AND CARPET CLEANING—2 ESTABLISHMENTS.					
Carpet cleaners	8	292	2 25	657 00	10
Carpet layers	9	296	2 39	707 44	9.6
Drivers	9	296	1 78	526 88	9.6
Engineer	1	292	2 75	803 00	10
Laborers	3	300	1 50	450 00	9
Weavers	16	295	1 91	563 45	9.6
SALT—2 ESTABLISHMENTS.					
Barrel makers	30	363	1 75	635 25	10
Blacksmith	1	363	2 50	907 50	10
Carpenters	9	357	2 47	881 79	10
Engineers	9	363	2 50	907 50	10
Firemen	26	360	2 11	759 60	11.8
Foremen	6	348	2 58	897 84	10
Laborers	135	344	1 50	516 00	10
Machinist	1	318	2 25	715 50	10
Oilers	2	318	1 75	556 50	10
Pipe fitters	8	357	2 50	892 50	10
Sack maker	1	363	3 00	1,089 00	10
Watchman	1	318	1 75	556 50	12
Water tenders	6	363	2 25	816 75	12
SASH, DOORS, LUMBER AND INTERIOR FINISH—23 ESTABLISHMENTS.					
Bench hands	17	303	2 75	833 25	9.3
Cabinet makers	28	296	2 79	825 84	8.6
Carpenters	131	305	2 71	826 55	8.7
Engineers	5	304	2 65	805 60	10
Finishers	3	300	2 80	840 00	8
Firemen	2	310	2 00	620 00	10
Floor layers	12	300	3 00	900 00	8
Foremen	12	301	3 00	903 00	9.5
Helpers	16	298	1 59	473 82	8.4
Laborers	300	305	1 61	491 05	9.5
Laborers (boys)	11	305	1 10	335 50	9.5
Machine hands	100	299	2 13	636 87	9.5
Machine helpers	3	312	1 65	514 80	10
Machinists	7	293	2 14	627 02	9
Masons	4	307	4 80	1,473 60	8
Mill hands	230	298	2 16	643 68	9.2
Pilers	2	312	1 75	546 00	10
Talley men	44	304	2 27	690 08	9.3
Teamsters	176	302	1 85	558 70	9.7
Warehouse hands	15	285	1 90	541 50	10
Watchmen	3	308	1 68	517 44	10 7
Wood turner	1	275	2 25	618 75	9
Wood workers	2	265	2 25	596 25	7
Yard hands	135	298	1 59	473 82	9.8

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

SLAUGHTERING AND MEAT PACKING—8 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Butchers	182	305	$1 72	$524 60	9.9
Carpenters	10	312	2 25	702 00	10
Curers	2	271	2 00	542 60	9.5
Engineers	21	307	2 54	779 78	10.1
Firemen	3	281	1 75	491 75	10.3
Laborers	370	311	1 63	506 93	10
Sausage makers	13	300	2 25	675 00	9.2
Teamsters	10	285	1 90	541 50	10.1
Watchman	1	271	1 75	474 25	9.5
SOAP, CANDLES AND TALLOW—6 ESTABLISHMENTS.					
Engineer	3	285	2 08	592 80	9.7
Hostler	1	306	2 00	612 00	10
Laborers	10	295	1 65	486 75	9.9
Rendering hands	3	306	1 50	459 00	10
Soap makers	7	303	1 61	487 83	10
Teamsters	10	300	1 97	591 00	9.9
Watchmen	2	306	1 50	459 00	14
SODA AND MINERAL WATERS—10 ESTABLISHMENTS.					
Bottlers	12	305	2 17	661 85	9
Bottle washers	13	303	1 25	378 75	8.8
Drivers	26	273	2 15	586 95	8.8
Foreman	1	313	2 50	782 50	10
Helpers	2	302	1 00	302 00	8
Hostlers	2	238	1 63	387 94	9
Ice cream maker	1	180	2 50	450 00	8
Labelers	4	307	54	165 78	10
Laborers	4	261	1 87	488 07	9.2
STEEL, IRON AND TIN—8 ESTABLISHMENTS.					
Annealers	356	295	2 09	616 55	11
Ash wheelers	2	283	1 85	523 55	10
Barb fence workers	160	301	1 90	571 90	11
Billet hands	2	265	2 00	530 00	10
Blacksmiths	7	265	2 61	691 65	9.7
Blacksmiths' helpers	5	266	1 80	478 80	10
Blast furnace hands	465	301	2 04	614 04	11
Bloom hands	260	301	2 71	815 71	10.5
Bottom fillers	25	284	2 15	610 60	12
Brakemen	3	284	2 20	624 80	12
Bricklayers	2	229	2 75	629 75	10
Carpenters	6	250	2 50	625 00	10
Catchers	22	206	3 00	618 00	8.4
Chemists	3	284	2 70	766 80	10
Cinder hands	2	284	2 15	610 60	12
Clay hand	1	284	1 70	482 80	10
Coal wheelers	3	260	1 50	390 00	10
Cold rollers	14	193	1 43	275 99	10
Conductors	2	284	3 10	880 40	12
Copperas hands	9	301	1 88	565 88	11
Constructors	162	301	2 58	776 58	10
Converters	284	301	2 46	740 46	10.5
Door hands	2	283	1 60	452 80	10
Doublers	18	193	5 95	1,148 35	8
Drag-outs	2	265	2 50	662 50	10
Draughtsmen	30	301	2 84	854 84	8
Electricians	19	299	2 40	717 60	11
Engineers	28	263	2 62	689 06	11.4
Engineers' assistants	4	274	1 94	531 56	12
Finishers	4	274	2 60	712 40	10
Firemen	30	259	2 15	556 85	10.8
Foremen	4	284	3 33	945 72	11
Foundry hands	60	301	2 19	659 19	10

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

STEEL, IRON AND TIN—8 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Galvanizers	172	301	$2 20	$662 20	12
Gas makers	356	301	2 05	617 07	12
Gas pokers	5	260	1 80	468 00	12
Heaters	34	227	6 64	1,507 28	8.9
Heaters' helpers	14	261	3 86	1,007 46	10
Helpers	32	284	2 27	644 68	11.7
Hookers	4	265	2 10	556 50	10
Iron carriers	14	284	2 53	718 52	12
Iron workers	4	298	2 75	819 50	9
Keepers	2	284	2 50	710 00	12
Laborers	534	242	1 50	363 00	10
Laboratory hands	19	301	2 27	683 27	10
Levelers	4	283	2 30	650 90	10
Machinists	12	225	2 92	657 00	10
Markers	4	283	4 00	1,132 00	10
Mason	1	260	3 00	780 00	10
Millwright	1	265	3 60	954 00	10
Millwright's helper	1	265	1 65	437 25	10
Nail makers	516	301	2 03	711 03	11
Oilers	3	284	1 80	511 20	12
Openers	12	193	1 65	318 45	8
Open hearth hands	76	301	2 47	743 47	12
Packers	207	301	1 70	511 70	11
Picklers	10	193	2 01	387 93	10
Puddlers	96	261	9 29	2,424 69	10
Risers	22	193	2 40	463 20	10
Rod mill hands	377	301	3 00	903 00	11
Rollers	32	224	11 34	2,540 16	9
Rollers' helper	1	265	5 00	1,325 00	10
Roll turners	68	259	3 65	945 35	10
Roughers	19	272	5 60	1,523 20	10
Scrappers	2	284	1 90	539 60	12
Screw hands	2	283	5 00	1,415 10	10
Screw hands (boys)	36	193	1 50	289 50	8
Shipping clerks	95	296	1 80	532 80	10
Shearmen	42	264	2 54	670 56	9.7
Shearmens' helpers	22	260	1 70	442 00	10
Shop hands	666	301	2 33	701 33	10
Stackers	10	283	1 85	523 55	10
Straighteners	96	299	1 87	559 13	10.9
Stranders	12	265	4 00	1,060 00	10
Telegraphers	10	260	3 65	949 00	10
Tinners	89	274	3 13	857 62	10.7
Tongsmen	4	283	3 50	990 50	10
Top fillers	6	284	2 35	667 40	8
Trackmen	2	284	1 70	482 80	10
Transfermen	4	283	2 30	650 90	10
Water hands	8	279	2 17	605 43	11.5
Watchmen	3	268	1 75	469 00	12
Weighers	2	284	2 15	610 60	12
Wire drawers	1,102	301	2 63	791 63	11
Yard hands	900	301	1 75	526 75	11

STENCILS, STAMPS AND SEALS—4 ESTABLISHMENTS.

Engraver	1	313	2 50	782 50	9
Laborer (boy)	1	313	65	203 45	9
Printers	2	300	2 37	711 00	9
Shipping clerks	2	300	1 25	375 00	8
Stamp maker	1	300	2 50	750 00	9
Steel cutter	1	313	2 50	782 50	9
Stencil cutter	1	313	1 50	469 50	9
Stencil makers	5	309	2 97	917 73	8.8

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

STONE (CUT, SAWED AND ARTIFICIAL)—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmiths	47	235	$2 00	$470 00	10
Carpenters	15	235	2 00	470 00	10
Carvers	6	112	3 50	392 00	8
Cutters	2	300	2 75	825 00	9.5
Draughtsmen	3	300	3 10	930 00	8
Engineers	83	235	2 00	470 00	10
Foremen	5	235	3 50	832 50	10
Laborers	791	238	1 60	380 80	10
Machinists	21	235	1 96	460 60	10
Mill hands	117	235	1 95	458 25	10
Mixers	8	300	1 75	525 00	9.5
Molders	7	300	2 00	600 00	9.5
Pattern makers	8	300	3 00	900 00	10
Pattern workers	8	112	3 00	336 00	9
Platter workers	8	112	3 00	336 00	9
Quarrymen	703	235	1 82	427 70	10
Teamsters	15	235	1 65	387 75	10
Turners	19	235	2 30	540 50	10
STOVES, RANGES AND FURNACES—13 ESTABLISHMENTS.					
Assemblers	54	297	1 72	510 84	10
Bench hands	60	295	2 00	590 00	10
Brazers	6	295	2 25	663 75	10
Buffers	23	290	2 93	849 70	9.3
Burner makers	16	296	1 50	444 00	9.5
Carpenters	2	300	3 00	900 00	10
Closet makers	2	300	2 00	600 00	10
Craters	29	301	1 68	505 68	9.7
Drill press hands	2	300	1 65	495 00	10
Engineers	4	304	2 44	741 76	10.7
Finishers	7	300	1 75	525 00	10
Firemen	2	305	1 63	497 15	9.5
Fitter	1	300	1 80	540 00	10
Foremen	14	305	3 03	924 15	10
Formers	2	300	1 50	450 00	10
Helpers	6	303	3 02	915 06	8.3
Inspectors	6	295	1 75	516 25	10
Japanners	32	298	1 64	488 72	9.7
Lathe hands	10	305	2 40	732 00	9
Laborers	541	290	1 52	440 80	9.3
Laborer (boy)	1	300	60	180 00	10
Machine hands	149	297	1 92	570 24	9.7
Machinists	12	295	2 96	873 20	9.1
Molders	153	281	2 69	755 89	9.7
Mounters	146	303	1 80	545 40	9.9
Packers	2	300	2 00	600 00	10
Painters	4	304	2 19	665 76	9.2
Pattern makers	16	296	2 57	760 72	9.8
Platers	23	297	2 23	662 31	9.4
Polishers	40	297	2 70	801 90	9.5
Pressmen	64	305	1 91	582 55	9.8
Range builders	66	296	1 75	518 00	9.5
Receivers	17	296	1 60	473 60	9.5
Repairers	4	307	2 50	767 50	10
Riveters	14	300	1 77	531 00	10
Sheet-iron workers	9	305	2 50	762 50	9
Shippers	19	285	1 72	490 20	9.8
Stock keeper	1	305	2 50	762 50	10
Stove makers	97	296	1 75	518 00	9.5
Teamsters	6	305	1 85	564 25	9.7
Tinners	98	299	2 07	618 93	9.5
Tool makers	36	302	2 90	875 80	9.6
Varnishers	3	300	1 27	381 00	10
Watchmen	3	303	1 88	569 64	12

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—18 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	2	306	$0 90	$275 40	8
Blacksmiths	1	300	2 85	855 00	10
Enamelers	16	300	1 75	525 00	10
Engineers	6	299	2 23	666 77	9.9
Foremen	21	296	3 07	908 72	9.8
Galvanizers	6	365	2 25	821 25	10
Helpers	84	305	1 42	433 10	9.7
Jacket can makers	15	306	1 66	507 96	10
Laborers	186	295	1 52	448 30	9.8
Liners	5	300	1 80	540 00	10
Machine hands	27	306	1 31	400 86	10
Machinists	21	311	2 83	880 13	10
Mechanics	18	310	2 70	837 00	8
Mechanics' helpers	6	310	2 70	837 00	8
Press hands	68	296	1 77	523 92	9.9
Press hands' helpers	20	300	1 25	375 00	10
Printer	1	306	2 50	765 00	10
Shearmen	14	306	1 50	459 00	10
Sheet metal workers	17	300	2 42	726 00	9
Shipper	1	306	1 75	535 50	10
Slate roofers	18	302	3 31	999 62	8
Solderers	29	306	1 60	489 60	10
Squeezer	1	306	1 70	520 20	10
Stone polishers	2	306	1 70	520 20	10
Teamsters	2	206	1 75	360 50	10
Testers	5	306	1 70	520 20	10
Tinners	71	297	2 37	703 89	8.3
Tinners' helpers	10	306	1 85	566 10	8
Tinners (boys)	2	300	1 00	300 00	10
Tool makers	10	280	2 55	714 00	9.5
Trimmers	8	306	2 12	648 72	10
Watchman	1	306	2 01	615 06	11.5

TOOLS—14 ESTABLISHMENTS.

Apprentices	6	276	1 55	427 80	9.8
Blacksmiths	4	291	3 02	878 82	9.4
Blacksmiths' helpers	2	305	2 07	631 35	9
Carpenters	3	298	2 84	846 32	9.7
Cutters	6	295	2 00	590 00	10
Draughtsmen	5	300	6 00	1,800 00	10
Engineers	5	305	2 69	820 45	9.8
File cutters	7	267	1 50	400 00	10
File grinder	1	267	2 00	534 00	10
Foremen	22	300	3 85	1,155 00	10
Forgers	3	297	2 83	840 51	10
Grinders	13	304	2 37	720 48	10
Grinders' helpers	4	300	1 75	525 00	10
Helpers	17	307	1 18	362 26	10
Laborers	510	299	1 56	466 44	9.9
Machine hands	205	280	1 87	523 60	10
Machinists	420	298	2 33	694 34	9.5
Machinists' helpers	2	300	1 50	450 00	10
Pattern makers	6	288	2 58	743 04	9.7
Polishers	42	279	2 32	647 28	9.8
Rollers	3	319	2 50	797 50	10
Saw makers	10	300	2 75	825 00	10
Temperers	4	304	3 44	1,045 76	10
Turners	35	275	2 10	577 50	10
Watchman	1	276	2 00	552 00	12

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

TRUNKS AND VALISES—6 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings. 1903.	Average hours of daily labor.
Apprentices	4	316	$0 69	$218 04	9.7
Bag makers	9	309	2 07	639 63	10
Carpenter	1	306	2 00	612 00	10
Case makers	29	308	2 10	646 80	10
Foreman	1	306	3 34	1,022 04	10
Helpers	3	300	60	180 00	10
Telescope makers	4	310	2 00	620 00	10
Trunk makers	33	305	2 00	610 00	10
UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.					
Cutters	2	300	2 00	600 00	10
Errand boy	1	300	75	225 00	10
Finisher	1	300	1 25	375 00	10
Frame makers	3	300	75	225 00	10
Handle makers	2	300	1 00	300 00	10
Handle mounters	3	300	2 00	600 00	10
Shipping clerk	1	300	2 00	600 00	10
Umbrella maker	1	300	1 50	450 00	9
WIRE RODS, WIRE CLOTH AND WIRE GOODS—14 ESTABLISHMENTS.					
Blacksmiths	5	265	2 55	675 75	9.6
Blacksmiths' helpers	8	300	1 75	525 00	9
Carpenters	25	300	2 60	780 00	9.
Coilers	3	300	1 75	525 00	9
Electricians	2	300	2 60	780 00	9
Elevator hand	1	300	3 15	945 00	10
Engineer	1	300	3 15	945 00	10
Fence builders	3	222	2 04	452 88	10
Fence builders' helpers	3	198	1 75	346 50	10
Finishers	130	300	1 65	495 00	10
Fireman	1	300	1 75	525 00	11
Foremen	2	288	2 50	720 00	10
Helpers	3	280	87	243 60	9.7
Iron workers	197	296	2 28	674 88	9.1
Laborers	144	292	1 55	452 60	9.2
Laborers (boy)	1	198	85	168 30	10
Machine hands	13	306	1 92	587 52	9.9
Machinists	24	300	2 71	813 00	9.2
Mattress makers	10	290	1 05	304 50	9.5
Mill hands	31	290	1 80	522 00	9.5
Molders	45	300	3 10	930 00	9
Molders' helpers	35	300	1 75	525 00	9
Painters	10	300	2 00	600 00	9
Pattern makers	16	300	3 25	975 00	9
Polishers	21	300	2 50	750 00	9
Ruler	1	306	1 50	459 00	10
Shipping clerk	5	300	1 75	525 00	10
Spring bed makers	17	292	99	289 08	9.4
Stay makers	5	300	1 75	525 00	10
Teamsters	9	290	1 62	469 80	10
Watchman	1	300	1 50	450 00	12
Wire weavers	126	300	2 89	867 00	9
Wire workers	6	288	2 00	576 00	9.7
MISCELLANEOUS—27 ESTABLISHMENTS.					
Apprentices	2	290	75	217 50	10
Assemblers	2	313	1 38	431 94	9.7
Blacksmiths	3	306	2 50	765 00	10
Blacksmiths' helpers	3	306	1 75	535 50	10
Buffers	2	316	1 88	594 08	10
Cabinet makers	304	306	2 26	691 56	10
Carpenter	1	200	2 50	500 00	10
Chemist	1	300	3 00	900 00	10

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

MISCELLANEOUS—27 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Chemist's assistants	2	268	$1 50	$402 00	9.5
Color mixers	3	200	3 00	600 00	10
Color mixers' helpers	3	200	1 25	250 00	10
Coopers	7	320	1 79	572 80	10
Cutter	1	200	3 00	600 00	10
Dyers	30	306	1 65	504 90	10
Engineers	9	275	2 37	651 75	10.3
Erectors	3	306	3 00	918 00	10
Errand boys	2	295	55	162 55	9.7
Fillers	2	306	1 75	535 50	10
Finishers	150	306	2 25	688 50	10
Firemen	5	296	2 00	592 00	10
Foremen	8	267	2 85	760 95	9.7
Helpers	8	302	1 80	543 60	10
Instrument makers	3	290	2 75	797 50	10
Instrument makers' helper	1	290	1 75	507 50	10
Iron straighteners	3	306	2 50	765 00	10
Laborers	638	288	1 51	434 88	10
Laborers (boys)	381	294	88	258 72	10
Lock fitters	6	306	2 75	841 50	10
Machine hands	218	307	2 19	672 33	10
Machine hands (boys)	2	300	1 00	300 00	9
Machinists	23	295	2 46	725 70	10
Malsters	5	179	2 00	358 00	9
Mechanics	5	300	2 75	825 00	9.3
Millers	3	365	2 67	974 55	10
Painters	17	281	2 06	578 86	10
Pattern makers	2	326	2 37	772 62	10
Pipe coverers	7	307	2 25	690 75	10
Platers	2	316	2 75	869 00	10
Platers' helper	1	306	1 00	306 00	10
Polishers	22	262	2 00	524 00	10
Porter	1	300	85	255 00	9
Printers	5	200	2 25	450 00	10
Printers' helpers	5	200	75	150 00	10
Roller makers	4	295	2 40	708 00	9
Rubbers	2	306	1 75	535 50	10
Safe makers	15	306	2 00	612 00	10
Scale maker	1	306	2 25	688 50	10
Shipping clerk	1	326	2 25	733 50	10
Spinner	1	180	1 50	270 00	9
Stillmen	2	312	2 00	624 00	10
Tarred felt makers	3	312	1 83	570 96	10
Teamster	1	300	1 00	300 00	9
Testers	4	326	1 75	570 50	10
Tinners	2	326	2 00	652 00	10
Tool Maker	1	326	3 00	978 00	10
Vault makers	8	306	2 40	734 40	10
Warehouse hands	9	306	1 72	526 32	10
Watchmen	3	308	1 90	585 20	12
Weaver	1	180	1 50	270 00	8
Winders	2	200	1 00	200 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

AWNINGS, TENTS AND FLAGS—4 ESTABLISHMENTS

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Awning cutters	2	306	$2 00	$612 00	10
Awning sewers	44	295	1 23	362 85	10
Inspector	1	306	1 75	535 50	10
Sail makers	2	275	1 50	412 50	10
BAGS (PAPER AND BURLAP)—4 ESTABLISHMENTS					
Catchers	27	290	72	208 80	10
Inspectors	6	308	85	261 80	10
Laborers	236	295	70	206 50	10
Packer	1	290	75	217 50	10
Press feeders	47	294	78	229 32	10
Rag pickers	12	300	63	189 00	9
BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILEES—2 ESTABLISHMENTS					
Helpers	6	308	1 00	308 00	9
nspectors	35	287	80	229 60	10
BOOTS AND SHOES—3 ESTABLISHMENTS.					
Finishers	3	300	75	225 00	10
Fitters	166	300	87	261 00	10
Shoe maker	1	300	1 00	300 00	8
Stitchers	31	300	1 00	300 00	10
Trimmers	33	300	85	255 00	10
BOXES (PAPER)—4 ESTABLISHMENTS.					
Box makers	150	301	94	282 94	9
Feeder	1	300	1 60	480 00	9
Gluers	22	300	1 00	300 00	9
Helpers	35	307	50	153 50	10
Machine operators	75	307	85	260 95	10
Scrappers	10	300	1 00	300 00	9
BOXES (WOODEN—4 ESTABLISHMENTS.					
Box makers	13	300	88	264 00	9.6
Paperers	2	284	88	249 92	9
Trimmers	20	306	1 00	306 00	9
BREAD AND OTHER BAKERY PRODUCTS—11 ESTABLISHMENTS.					
Bakers	19	306	67	205 02	9.3
Clerks	2	306	1 00	306 00	10
Helpers	14	309	77	237 93	9.9
Janitress	1	306	67	205 02	6
Packers	123	292	70	204 40	9.5
BROOMS AND BRUSHES—4 ESTABLISHMENTS					
Brush makers	23	301	1 00	301 00	8.9
Draw hands	2	300	1 00	300 00	9
Laborers	23	301	75	225 75	9
Machine hands	8	300	1 00	300 00	9

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

BUTTONS (PEARL)—2 ESTABILSHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Assorters	2	306	$ 54	$165 24	9.5
Drillers	10	274	73	200 02	8.4
Facers	3	306	58	177 48	9.5
Grinders	4	306	50	153 00	9.5
Sewers	17	274	84	230 16	8.4
Turners	16	283	79	223 57	8.8
CARRIAGE AND WAGON MATERIALS—1 ESTABLISHMENT					
Machine hands	4	300	1 25	375 00	10
CHEWING GUM—2 ESTABLISHMENTS.					
Box makers	38	291	1 60	465 60	9.5
Gum makers	35	291	1 00	291 00	9.5
Laborers	13	291	1 00	291 00	9.5
Wrappers	225	291	85	247 35	9.5
CIGARS—33 ESTABLISHMENTS					
Banders	16	295	50	147 50	9.2
Bunchers	42	250	1 45	362 50	8
Cigar makers	338	263	1 08	284 04	9
Packers	59	284	1 04	295 36	8.8
Pasters	3	295	60	177 00	9.2
Rollers	87	250	1 65	412 50	8
Strippers	142	274	86	235 64	8.3
CLOTHING—90 ESTABLISHMENTS.					
Button hole makers	5	281	1 20	337 20	8.6
Clerks	30	300	1 00	300 00	9
Coat makers	13	295	1 69	498 55	9.4
Cutter	1	312	1 00	312 00	9
Designers	3	295	2 89	552 55	9
Examiners	21	290	1 21	350 90	8.9
Finishers	468	296	1 40	414 40	9
Folders	6	287	83	238 21	9
Forewomen	11	291	1 79	520 89	9.1
Helpers	121	305	73	222 65	9
Inspector	1	275	1 15	316 25	8.5
Janitress	1	281	1 00	281 00	9
Laborers	33	257	1 50	385 50	8
Machine hands	1,499	295	1 23	362 85	8.9
Pressers	10	285	1 03	293 55	9
Seamstresses	126	301	1 06	319 06	8.8
Shirt makers	49	300	1 49	447 00	8.6
Skirt makers	146	304	1 07	325 28	9.7
Tailoresses	175	305	1 43	436 15	9
Trimmers	6	282	2 54	716 28	8.5
Trousers makers	20	306	1 78	544 68	9.5
Vest makers	40	303	1 74	527 22	9.4
COFFEE, BAKING POWDER AND SPICES—1 ESTABLISHMENT.					
Labelers	7	307	75	230 25	10
COFFINS AND BURIAL CASES—1 ESTABLISHMENT					
Laborers	33	276	60	165 60	10
Trimmers	8	276	1 00	276 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

CONFECTIONERY—9 ESTABLISHMENTS

Occupation – Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bakers	11	365	00	$365 00	10
Candy makers	28	347	80	277 60	10
Clerks	28	343	90	308 70	9.6
Chocolate dippers	31	318	96	304 28	9.3
Forewomen	6	349	1 81	631 69	11
Janitress	2	350	1 25	437 50	10
Laborers	57	349	96	335 04	10
Labelers	6	308	70	215 60	9.7
Packers	13	301	87	261 87	10
Wrappers	32	300	97	291 00	10

COPPER AND BRASS GOODS—3 ESTABLISHMENTS

Apprentices	4	210	50	105 00	9
Core makers	4	232	69	160 08	9
Packers	6	300	1 00	300 00	9
Tack feeders	6	300	1 00	300 00	9

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—8 ESTABLISHMENTS.

Clerks	3	297	98	291 06	10
Combers	19	297	70	207 90	10
Doublers	7	297	50	148 50	10
Drawers	56	297	65	193 05	10
Examiners	15	297	86	255 42	10
Finishers	125	302	91	274 82	9.2
Folders	13	300	75	225 00	9
Knitters	227	287	84	241 08	9.4
Laborers	75	302	68	205 36	8.7
Menders	43	297	81	240 57	10
Rag sorters	98	292	90	262 80	9.1
Pickers	65	297	60	178 20	10
Sewers	85	302	1 14	344 28	9.3
Spinners	97	297	63	187 11	10
Trimmers	73	302	1 51	456 02	9.2
Twisters	34	297	71	210 87	10
Warpers	33	297	73	216 81	9.9
Weavers	256	296	1 17	346 32	10
Winders	121	299	85	254 15	9.9

DRUGS, CHEMICALS AND DRUGGISTS SUNDRIES—1 ESTABLISHMENT.

Laborers	4	300	75	225 00	8

ELECTRICAL GOODS AND SUPPLIES—16 ESTABLISHMENTS.

Assemblers	11	257	1 00	257 00	9.4
Coil tapers	6	305	1 50	457 50	9.5
Cutters	5	300	1 00	300 00	10
Electrical workers	6	305	1 25	381 25	9
Filament makers	10	204	1 10	224 40	10
Finishers	67	256	1 10	281 60	10
Glass workers	24	204	1 10	224 40	10
Labelers	7	293	1 00	293 00	10
Laborers	89	304	1 12	340 48	10
Lacquerers	4	285	1 00	285 00	8
Lamp makers	254	265	1 12	296 80	10
Lamp testers	15	265	1 00	265 00	10
Machine hands	35	268	1 00	268 00	8
Mantle makers	5	200	75	150 00	9
Packer	1	300	1 00	300 00	8
Sorters	3	300	1 00	300 00	10
Stock keepers	5	265	1 00	265 00	10
Winders	12	307	85	260 95	10
Wrappers	2	285	1 00	285 00	8

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

EXTRACTS, TOILET ARTICLES AND PERFUMERY—3 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers	4	300	$0 75	$225 00	10
Helpers	19	306	65	198 90	8.6
Packers	3	306	84	257 04	8
FOUNDRY AND MACHINE SHOP PRODUCTS—9 ESTABLISHMENTS.					
Assemblers	2	298	70	208 60	10
Assorters	58	292	52	151 84	10
Cutters	25	293	90	263 70	10
Japanners	2	298	70	208 60	10
Laborers	15	297	85	252 45	10
Machine hands	100	275	78	214 50	8.8
Nutters	75	296	89	263 44	9.8
Packers	108	238	73	173 74	9.6
Piece workers	32	270	75	202 50	10
Painters	21	293	92	269 56	10
Tackers	2	295	1 25	368 75	8
Tappers	3	293	75	219 75	10
Threaders	5	280	75	210 00	10
FURNITURE—4 ESTABLISHMENTS.					
Painters	2	294	1 04	305 76	10
Seamstresses	2	297	1 00	297 00	8.5
Upholsterers	2	303	1 00	303 00	9
GUNPOWDER AND OTHER EXPLOSIVES—1 ESTABLISHMENT.					
Machine hands	15	285	80	228 00	8
Rollers	8	285	80	228 00	8
HARDWARE—6 ESTABLISHMENTS.					
Box makers	18	294	1 35	396 90	9
Laborers	27	301	1 00	301 00	10
Packers	155	294	1 02	299 88	9.1
Platers	2	300	1 00	300 00	10
Press hands	17	286	1 15	328 90	10
HARNESS AND SADDLERY—1 ESTABLISHMENT.					
Machine hand	1	300	1 50	450 00	10
HATS, CAPS AND FURNISHINGS—7 ESTABLISHMENTS.					
Box makers	2	275	75	206 25	9
Cap makers	15	301	1 51	454 51	8.2
Laborers	8	275	1 00	275 00	9
Liners	3	310	1 00	310 00	9.5
Machine hands	75	278	1 00	278 00	9
Packers	6	310	67	207 70	9.5
Trimmers	1	300	1 00	300 00	8
ICE (ARTIFICIAL)—1 ESTABLISHMENT.					
Janitresses	2	365	1 50	547 50	10
INKS— 1 ESTABLISHMENT.					
Paint makers	2	275	1 00	275 00	8
LIQUORS (MALT)—2 ESTABLISHMENTS.					
Bottlers	2	306	75	229 50	9
Labeler	1	310	1 00	310 00	10

TABLE IV*a*—MANUFACTURES—CLEVELAND—Continued.

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Helpers	4	302	$0 94	$283 88	9
MACARONI— 3 ESTABLISHMENTS.					
Macaroni makers	32	275	64	176 00	10
Packers	4	300	75	225 00	10
MACHINERY—2 ESTABLISHMENTS.					
Inspectors	2	300	1 00	300 00	9
Ornamenters	2	272	1 00	272 00	10
Seamstresses	5	272	1 05	285 60	10
Stock keepers	5	272	1 25	340 00	10
MATTRESSES AND PILLOWS—3 ESTABLISHMENTS.					
Cutter	1	308	1 25	385 00	10
Finishers	22	303	1 68	509 04	9
Machine hands	10	304	1 38	419 52	9.5
Tick makers	9	298	1 50	447 00	9
MOULDINGS AND FRAMES—1 ESTABLISHMENT.					
Laborer	1	300	1 00	300 00	10
OIL AND GREASE—1 ESTABLISHMENT.					
Candle decorators	8	297	1 15	341 55	9
Candle fitters	10	297	1 10	326 70	9
Candle packers	20	297	1 10	326 70	9
Carton makers	4	297	1 10	326 70	9
Forewomen	6	297	1 16	344 52	9
Printers	3	297	1 19	353 43	9
Wick sewers	3	297	1 00	297 00	9
PAINTS AND VARNISHES—8 ESTABLISHMENTS.					
Assemblers	2	300	75	225 00	9
Binders	15	277	68	188 36	9.5
Color makers	1	297	1 73	513 81	10
Cooks	7	277	1 00	277 00	10
Labelers	27	290	1 38	400 20	9
Laundresses	3	277	1 25	346 25	10
Packer	1	297	1 46	433 62	10
Paint makers	3	297	1 17	347 49	10
Paster	1	300	1 08	324 00	9
Printers	2	310	1 10	341 00	10
Samplers	34	281	83	232 23	9.1
Solderers	3	277	2 00	554 00	10
PATTERNS AND MODELS—1 ESTABLISHMENT.					
Finisher	1	306	1 28	391 68	8
PIANOS AND OTHER MUSICAL INSTRUMENTS—2 ESTABLISHMENTS.					
Laborer	1	302	1 00	302 00	10
Valve maker	1	298	1 25	372 50	10
PLUMBING, STEAM AND GAS FITTING SUPPLIES—1 ESTABLISHMENT.					
Wrappers	6	307	85	260 95	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

PRINTING AND BINDING—35 ESTABLISHMENTS.

Occupation - - Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Binders	177	299	$0 88	$263 12	9.1
Compositors	5	297	1 60	475 20	9.1
Folders	38	299	80	239 20	9
Forewoman	2	295	1 50	442 50	9
Helpers	2	307	77	236 39	9
Janitress	1	306	1 10	336 60	9
Machine hands	9	295	97	286 15	9
Mail clerk	1	208	95	197 60	9
Press feeders	70	299	1 20	358 80	9
Proof readers	5	306	1 96	599 76	8.8
Sewers	12	305	1 25	381 25	9
RUBBER GOODS—3 ESTABLISHMENTS					
Blower	1	260	1 25	325 00	10
Collar makers	2	306	84	257 04	9
Day workers	3	260	83	215 80	10
Forewoman	1	260	1 50	390 00	10
Hammerers	4	260	1 00	260 00	10
Laborer	1	300	35	105 00	8
Packer	1	260	1 00	260 00	10
RUGS AND CARPET CLEANING—2 ESTABLISHMENTS.					
Carpet sewers	3	292	1 00	292 00	10
Curtain cleaners	6	292	1 00	292 00	10
Seamstresses	18	296	93	275 28	9.1
SALT—2 ESTABLISHMENTS.					
Bag sewers	32	343	1 06	363 58	9.1
Sack makers' helpers	28	363	1 00	363 00	10
SOAP, CANDLES AND TALLOW—1 ESTABLISHMENT.					
Soap makers	2	300	75	225 00	10
SODA AND MINERAL WATERS—1 ESTABLISHMENT.					
Bottle washers	2	175	66	115 50	10
STEEL, IRON AND TIN—2 ESTABLISHMENTS.					
Assorters	11	193	1 25	231 25	10
Nail makers	5	301	87	261 87	10
Packers	80	301	88	264 88	10
STENCILS, STAMPS AND SEALS—2 ESTABLISHMENTS.					
Stencil maker	1	310	1 00	310 00	9
Type cutter	1	300	1 00	300 00	8
STOVES, RANGES AND FURNACES—2 ESTABLISHMENTS.					
Laborers	7	305	1 18	359 90	9
Ornamenters	4	305	75	228 75	10
TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—3 ESTABLISHMENTS.					
Cleaners	5	300	1 10	330 00	10
Forewoman	1	306	1 50	459 00	10
Laborers	49	301	79	237 79	9.9
Letter trimmers	5	365	95	346 75	8
Liners	5	300	1 10	330 00	10
Press hands	22	306	77	235 62	10

TABLE IV*a*—MANUFACTURES—CLEVELAND—Concluded.

TOOLS—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Packers	3	300	$1 00	$300 00	9
Tool makers	70	300	83	249 00	10
TRUNKS AND VALISES—4 ESTABLISHMENTS.					
Bag makers	3	309	1 00	309 00	9.2
Case makers	10	305	1 00	305 00	9
Machine hand	1	306	1 25	382 50	9.5
Telescope makers	2	310	1 00	310 00	9
Trunk makers	8	306	91	278 46	8.7
UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.					
Case makers	2	300	88	264 00	10
Cover makers	25	300	75	225 00	10
Examiners	2	300	1 00	300 00	10
Hemmers	2	300	1 00	300 00	10
Laborer	1	300	1 00	300 00	10
Repairer	1	300	1 00	300 00	10
Seamers	4	300	1 00	300 00	10
Tie hands	2	300	75	225 00	10
Umbrella makers	2	300	1 00	300 00	9
WIRE RODS, WIRE CLOTH AND WIRE GOODS—3 ESTABLISHMENTS.					
Finishers	10	300	1 00	300 00	10
Seamstresses	11	300	1 10	330 00	8
Spoolers	10	306	70	214 20	10
Spring bed makers	18	290	86	249 40	9.5
Weavers	41	300	89	267 00	9
MISCELLANEOUS—6 ESTABLISHMENTS.					
Assorters	21	306	1 00	306 00	10
Bottlers	2	300	75	225 00	9
Laborer	1	300	1 00	300 00	10
Machine hands	12	300	1 00	300 00	9
Paper rollers	2	200	75	150 00	10
Shipping clerk	1	326	1 00	326 00	9

TABLE IV*aa*—MANUFACTURES—CLEVELAND.

Table by Industries, Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Advertising novelities and signs	Draughtsman	1	10	.....
" "	Electricians	3	10	.....
Bicycles bicycle sundries and automobiles	Apprentices	33	5	.....
" "	Assemblers	51	9.8	.....
" "	Blacksmiths	24	8.8	.....
" "	Blacksmiths' helpers	10	10	.....
" "	Carpenters	71	9.9	.....
" "	Core makers	6	10	.....
" "	Draughtsmen	8	6.8	.....
" "	Engineers	2	8	....
" "	Firemen	1	6	.....
" "	Foremen	6	5	.....
" "	Helpers	2	5	.....
" "	Laborers	50	7.9	.....
" "	Laborers (boys)	4	5	.....
" "	Machine hands	4	5	.....
" "	Machinists	213	6.2	.....
" "	Machinists' helpers	218	10	.....
" "	Molders	22	10	.....
" "	Painters	41	6.2	.....
" "	Pattern makers	7	8.5	.....
" "	Rubbers	53	10	.....
" "	Shippers and packers	6	10	.....
" "	Stock clerks	7	6.4	.....
" "	Teamster	1	5	.....
" "	Tinsmiths	14	10	.....
" "	Tinsmiths' helpers	27	10	.....
" "	Tool makers	20	5	.....
" "	Trimmers	17	10	.....
" "	Trimmers' helpers	12	10	.....
Billiard tables, bar and store fixtures	Cabinet makers	7	10	.....
" "	Engineer	1	10	.....
" "	Finishers	2	10	.....
" "	Machine hands	3	10	.....
" "	Teamster	1	10	.....
Boilers, engines and tanks	Blacksmiths	3	5	.....
"	Blacksmiths' helpers	3	5	.....
"	Boiler makers	14	5	.....
"	Boiler makers' helpers	11	5	.....
"	Laborers	15	5	.....
"	Machinists	2	5	.....
"	Rivet heaters	6	5	.....
Boxes (paper)	Cutter machine feeders	5	10	.....
"	Engineer	1	10	.....
"	Form maker	1	10	.....
"	Helpers	6	10	.....
"	Machinists	2	10	.....
"	Press feeders	3	10	.....
"	Pressmen	3	10	.....
"	Shipping clerks	2	10	.....
Boxes (wooden)	Box makers	14	5	.....
"	Engineer	1	10	.....
"	Filers	3	12.6	.....
"	Fireman	1	10	.....
"	Helpers	10	3	.....
"	Laborers	16	9.2	.....
"	Machine hands	10	7.5	.....
"	Mill hands	6	3	.....
"	Millwright	1	10	.....
"	Nailers	9	6.5	.....
"	Nailers' helpers	5	1	.....
"	Off-bearers	10	10	.....
"	Off-bearers (boys)	10	10	.....
"	Planers	4	10	.....
"	Sawyers	42	7.6	.....
"	Teamsters	10	9.4	.....
"	Turners	2	5	.....
"	Watchman	1	.....	8
"	Yardmen	20	10	.....
Bread and other bakery products	Bakers	45	10	.....

TABLE IV*aa*—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Brick and tile	Burners	2	20	.....
"	Cranesman	1	25	.....
"	Engineer	1	12.1	.....
"	Hoister	1	14.2	.....
"	Laborers	4	16.6	.....
"	Loaders	2	14 2	.....
"	Machinists' helpers	1	16.6	.....
"	Setters	3	10	.....
"	Shovel engineer	1	12.1	.....
"	Teamsters	16	9.1	.....
"	Tossers	2	12.5	.....
"	Transfermen	3	10.4	.....
Buttons (pearl)	Turners	2	7	.....
Carriages and wagons	Blacksmiths	6	7.5	.....
"	Helpers	2	10	.....
"	Painters	2	10	.....
"	Trimmer	1	10	.....
"	Wood workers	11	5.4	.....
Cigars	Bunch makers	20	10	.....
"	Cigar makers	49	9.8	.....
"	Cigar makers	2	.....	10
Clothing	Bushelman	1	15	.....
"	Cutters	35	9.8	.....
"	Cutter's assistant	1	12	.....
"	Coat makers	19	12	.....
"	Examiner	1	7.5	.....
"	Machine operators	166	7.7	.....
"	Pressers	35	7.5	.....
"	Skirt makers	3	15.1	.....
"	Stock keepers	2	15	.....
"	Tailors	38	8.3	.....
"	Trouser makers	4	13.7	.....
"	Vest maker	1	10	.....
Coffee, baking powder and spices	Engineer	1	10	.....
"	Hostler	1	10	.....
"	Mill hands	2	10	.....
"	Packers	2	5	.....
"	Shipping clerk	1	20	.....
"	Teamsters	2	10	.....
Cooperage	Coopers	30	5	.....
"	Filer	1	16.7	.....
"	Laborers	20	2.5	.....
Copper and brass goods	Buffers	7	7.1	.....
"	Core makers	4	7.5	.....
"	Electro-plater	1	10	.....
"	Engineer	1	16	.....
"	Finishers	20	5	.....
"	Furnace tender	1	16	.....
"	Laborers	2	5	.....
"	Machine hands	5	5	.....
"	Machinists	2	5	.....
"	Molders	17	12.3	.....
"	Polishers	4	5	.....
"	Shipper	1	33.3	.....
Dairy products	Butter-maker	1	20	.....
"	Drivers	27	10	.....
"	Milk man	1	25	.....
"	Separator	1	25	.....
Drugs, chemicals and druggists' sundries	Artificial limb maker	1	20	.....
" "	Blacksmiths' helpers	4	7	.....
" "	Engineers	2	.....	4
" "	Laborers	334	4.9	.....
" "	Pipe fitters	2	10	.....
Electrical goods and supplies	Armature winders	12	11.5	.....
"	Coil insulators	22	10	.....
"	Coil winders	2	10	.....
"	Field winder	2	10	.....
"	Helpers	12	20	.....
"	Hydraulic pressman	2	10	.....
"	Laborers	3	8	.....
"	Machinists	6	15	.....

TABLE IV*aa*—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Electrical goods and supplies	Molders	15	10	.....
"	Shippers	2	10	.....
"	Store keeper	1	30.4	.....
"	Tapper	3	10	.....
"	Trimmers	2	10	.....
Foundry and machine shop products	Apprentices	18	9.2	.....
" "	Assemblers	10	10	.....
" "	Bench hands	4	20	.....
" "	Blacksmiths	1	4	.....
" "	Blacksmiths	3	....	5
" "	Blacksmiths' helpers	3	....	5
" "	Blacksmiths' helpers	7	10	.....
" "	Buffers	8	10	.....
" "	Carpenters	21	7.4	.....
" "	Chipper	1	10	.....
" "	Core makers	177	11.5	.....
" "	Drill press operators	2	33	.....
" "	Driver	1	10	.....
" "	Engineers	12	6	.....
" "	Feeders	49	10	.....
" "	Foreman	1	6	.....
" "	Furnace tender	2	12	.....
" "	Grinders	25	10	.....
" "	Grinders	4	.....	15
" "	Headers	36	.....	5
" "	Headers' healpers	30	.....	5
" "	Helpers	63	5.7	.....
" "	Laborers	129	.....	16
" "	Laborers	1,142	4.5	.....
" "	Machine operators	125	9.2	.....
" "	Machinists	5	.....	2
" "	Machinsts	187	3.6	.....
" "	Machinists' helpers	25	10	....
" "	Molders	919	5.4	.....
" "	Nut makers	71	7.9	.....
" "	Nut makers	49	.....	5
" "	Pattern makers	23	8.2	.....
" "	Platers	10	5	.....
" "	Pointers	25	.....	7
" "	Polishers	24	6.3	.....
" "	Press hands	12	2	.....
" "	Rivet makers and heaters	35	5	.....
" "	Shippers	26	5	.....
" "	Shovel makers	46	3.1	.....
" "	Sorters	35	10	.....
" "	Washer cutters	2	3	.....
" "	Watchmen	2	4.5	.....
Furniture	Apprentices	3	10	.....
"	Cabinet makers	12	10	.....
"	Finishers	15	5.7	....
"	Machine hands	5	10	.....
"	Polishers	2	10	.....
"	Tinners	12	10	.....
Gas and electricity	Boiler men	25	12	.....
"	Chargers	24	7	.....
"	Cokemen	60	10	.....
"	Engineers	17	9.5	.....
"	Firemen	62	10.1	.....
"	Foremen	59	8	.....
"	Hostlers	2	6	.....
"	Linemen	29	5	.....
"	Laborers	215	4.3	.....
"	Machinist	44	15	.....
"	Meter men	14	9	.....
"	Shed men	16	8.5	.....
"	Stock keepers	4	4	.....
"	Stokers	65	7.1	.....
"	Telephone boys	2	14	.....
"	Watchmen	2	4	.....
Hardware	Blacksmith	15	5	.....
"	Japanner and lacquerers	2	5	.....

TABLE IV*aa*—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Hardware	Laborers	42	5.7	.....
"	Machinists	74	5	.....
"	Plater	1	20	.....
"	Polishers and buffers	7	5	.....
"	Press hands	4	10	.....
"	Rollers	12	5	.....
"	Shipping clerk	1	20	.....
"	Shipping clerk	1	.....	20
Hats, caps and furnishings	Cap makers	15	17.9	.....
"	Cutters	2	20	.....
Ice (artifiical)	Engineers	8	3.1	.....
"	Laborers	12	16.6	.....
Iron (structural and architectural)	Apprentices	5	25	.....
"	Blacksmith	1	10	.....
"	Boiler makers	115	3	.....
"	Electrical workers	5	20	.....
"	Foundry workers	55	3	.....
"	Iron workers	159	3.2	.....
"	Iron workers	5	.....	5
"	Laborers	46	2	.....
"	Machinists	76	3	.....
"	Pattern makers	5	10	.....
"	Teamsters	2	3	.....
Leather and leather goods	Tanners	16	2.5	.....
Lithographing, engraving and electrotyp'g	Apprentices	9	8.4	.....
" "	Artists	11	15.4	.....
" "	Blockers	2	10	.....
" "	Caster	1	9	.....
" "	Engravers	27	19	.....
" "	Etchers	2	10	.....
" "	Finisher	1	10	.....
" "	Molder	1	10	.....
" "	Photographers	2	10	.....
" "	Proofer	1	10	.....
" "	Router	1	10	.....
Machinery	Apprentices	161	6.4	.....
"	Blacksmiths	5	8	.....
"	Blacksmiths' helpers	1	10	.....
"	Boiler makers	56	5	.....
"	Carpenters	31	2.5	.....
"	Carpenters	3	.....	1
"	Core makers	17	5	.....
"	Draughtsmen	5	18	.....
"	Electricians	1	10	.....
"	Engineers	3	9.6	.....
"	Erectors	200	3	.....
"	Foremen	14	.....	10
"	Helpers	118	9.7	.....
"	Laborers	63	6.2	.....
"	Machine hands	9	10	.....
"	Machinists	550	6.9	.....
"	Machinists' helpers	36	2	.....
"	Marble worker	1	25	.....
"	Molders	78	5	.....
"	Painters	25	9.3	.....
"	Pattern makers	38	4.6	.....
"	Teamster	1	9.3	.....
"	Tinsmiths	30	5	.....
"	Tool makers	29	3	.....
"	Vice hands	3	10	.....
"	Yardmen	97	3	.....
Marble and granite	Copers	3	10	.....
"	Mosaic workers	20	10	.....
Moldings and frames	Composition ornamenters	20	2	.....
"	Finishers and gilders	65	5	.....
"	Joiners	11	5	.....
"	Laborers	5	2	.....
"	Packers	8	3	.....
"	Wood workers	11	5	.....
Oil and grease	Foreman	1	.....	20

TABLE IV*aa*—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Paints and varnishes	Color makers	7	14	.....
"	Fireman	1	22	.....
"	Laborers	11	10	.....
"	Packers	1	10	.....
"	Packers	2	.....	3
"	Paint makers	11	17	.....
"	Varnish makers	3	10.8	.....
"	Watchmen	1	.....	12.5
Patterns and models	Pattern makers	56	6.6	.....
Pianos and other musical instruments	Engineer	1	.....	10
" "	Machine hands	8	10	.....
Plating	Apprentices	3	20	.....
"	Buffers	2	20	.....
"	Platers	2	20	.....
"	Polishers	8	20	.....
Plumbing, steam and gas fitting supplies	Chandelier makers	20	5	.....
" "	Cock makers	8	10	.....
" "	Core makers	3	10	.....
" "	Finishers	15	10	.....
" "	Fitters	10	5	....
" "	Foremen	6	33	.....
" "	Laborers	37	7.3	.....
" "	Machinists	2	5	.....
" "	Molders	10	7.5	.....
" "	Polishers and platers	12	5	.....
" "	Steam fitters	4	19	.....
" "	Steam fitters' helpers	6	15	.....
Printing and binding	Binders	37	12	.....
"	Binders (boys)	3	10	.....
"	Compositors	157	8.8	.....
"	Compositors	4	.....	10
"	Cutters	6	6.1	.....
"	Electrotype caster	1	11	.....
"	Engravers	2	8	.....
"	Errand boys	4	10.5	.....
"	Finishers	4	13	.....
"	Forwarders	4	10	.....
"	Helpers	2	7.2	.....
"	Linotype operators	9	7.2	.....
"	Mailers	5	11.6	.....
"	Packers	3	.....	7
"	Press feeders	20	12.8	.....
"	Press feeders	7	.....	10
"	Pressmen	19	12.8	....
"	Pressmen	2	.....	10
"	Pressmen's assistants	2	16.7	.....
"	Proof readers	4	9	.....
"	Rulers	10	12	.....
"	Shipping clerk	1	5	.....
"	Stereotypers	5	11.5	.....
"	Stockmen	2	.....	8
"	Stone polishers	4	12.2	.....
"	Transferers	9	9.2	.....
Roofing (steel, iron and tin)	Roofers	2	10	.....
"	Tinners	9	10	.....
Sash, doors, lumber and interior finish	Bench hands	12	10	.....
" "	Carpenters	94	8.3	.....
" "	Engineer	1	10	.....
" "	Finishers and painters	3	10	.....
" "	Floor layers	12	7	.....
" "	Helpers	10	7	.....
" "	Laborers	18	5.8	.....
" "	Laborers (boys)	3	10	.....
" "	Machine hands	41	7.4	.....
" "	Masons	4	10	.....
" "	Mill hands	52	11.2	.....
" "	Tally-men	22	10.2	.....
" "	Teamsters	36	3	.....
" "	Warehouse hands	15	7.5	.....
"	Watchman	1	10	.....

TABLE IV*aa*—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Steel, iron and tin	Blast furnace hands	2	5	.....
"	Bottom filers	25	5	.....
"	Carpenters	3	5	.....
"	Catchers	18	.....	18.3
"	Cinder men	2	5	.....
"	Cold rollers	14	7	.....
"	Doublers	18	.....	15.7
"	Engineers	2	2.5	.....
"	Heaters	10	2	.....
"	Heaters	18	.....	20.9
"	Heaters' helpers	10	2	.....
"	Helpers	28	4	.....
"	Iron carriers	14	5	.....
"	Keepers	2	5	.....
"	Laborers	6	5	.....
"	Machinists	7	.....	2
"	Picklers	80	6	.....
"	Rollers	8	2	.....
"	Rollers	18	.....	16.5
"	Rolling mill hands	63	2	.....
"	Shearmen	6	.....	13.5
"	Screw hands (boys)	36	.....	27.9
"	Scrapers	2	5	.....
"	Teamster	1	10	.....
"	Telegrapher	10	2	.....
"	Water hands	2	5	.....
"	Weighers	2	5	.....
Stencils, stamps and seals	Stencil makers	4	10	.....
Stone, (cut sawed and artificial)	Cutters	2	10	.....
"	Draughtsmen	3	20	.....
"	Engineers	83	2.5	.....
"	Laborers	758	6.7	.....
"	Lathe hands	19	1	.....
"	Machinists	41	1	.....
"	Mill hands	117	2.5	.....
"	Molders	7	10	.....
"	Pattern makers	8	10	.....
"	Teamsters	15	3	.....
Stoves, ranges and furnaces	Brazers	6	25	.....
"	Buffers	8	10	.....
"	Closet makers	2	10	.....
"	Craters	13	10	.....
"	Drillers	2	10	.....
"	Engineer	1	10	.....
"	Finishers	7	10	.....
"	Fitter	1	10	.....
"	Fitter (boy)	1	10	.....
"	Foreman	1	10	.....
"	Former	2	10	.....
"	Laborers	57	14	.....
"	Lathe hands	10	10	.....
"	Machinist	1	10	.....
"	Mounters	24	10	.....
"	Packers	2	10	.....
"	Painter	1	10	.....
"	Platers	3	10	.....
"	Polishers	34	10	.....
"	Pressmen	14	10	.....
	Riveters	14	10	.....
"	Sheet iron work	9	10	.....
"	Shipping clerk	1	10	.....
"	Teamster	1	10	.....
"	Tinners	24	10	.....
"	Tool makers	8	6	.....
"	Varnishers	3	10	.....
"	Watchman	1	10	.....
Tinware, sheet-iron and galvanized ironware	Apprentices	6	.....	5
" "	Helpers	14	10	.....
" "	Laborers	12	6	.....
" "	Slaters	13	10	.....
" "	Tinners	31	10.6	.....

TABLE IV*aa*—MANUFACTURES—CLEVELAND—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Tools	Apprentices	6	11	.....
"	Blacksmith	1	.....	5
"	Grinders	4	.....	20
"	Laborers	2	.....	10
"	Laborers	26	6.2	.....
"	Machinists	269	6.5	.....
"	Polisher	1	10	.....
"	Saw makers	10	10	.....
"	Temperer	1	5	.....
Trunks and valises	Case makers	7	7.5	.....
"	Carpenter	1	7.5	.....
"	Foremen	1	5	.....
Wire rods, wire cloth and wire goods	Blacksmiths	2	10	.....
"	Engineer	1	5	.....
"	Fence builders' helpers	3	17	.....
"	Helpers	1	10	.....
"	Iron workers	20	10	.....
"	Mattress makers	10	5	.....
"	Mill hands	31	5	.....
"	Shipping clerks	5	6	.....
"	Spring bed makers	15	.....	5
"	Teamster	3	5	.....
"	Weaver	1	5	.....
"	Wire workers	2	10	.....
Miscellaneous	Blacksmiths' helpers	3	6	.....
"	Cabinet makers	4	6	.....
"	Engineer	1	10	.....
"	Fillers	2	3	.....
"	Foremen	6	9.1	.....
"	Iron straighteners	3	11	....
"	Laborers	121	10	.....
"	Laborers (boys)	75	10	.....
"	Lock fitters	6	10	.....
"	Machinists	15	16	.....
"	Painters	4	.....	11
"	Plater	1	16.7	.....
"	Vault builders	8	.....	4
"	Watchmen	2	9	.....
Totals and averages		11,677	6.7	.....
		496	.....	12.1

TABLE IV*aa*—MANUFACTURES—CLEVELAND—Concluded.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employes.	Advanced per cent.	Reduced per cent.
Awnings, tents and flags	Awning sewers	30	20	.....
Cigars	Cigar maker	1	10	.....
"	Packers	15	10	.....
"	Rollers	80	10	.....
"	Strippers	64	6.1	.....
Clothing	Button sewers	20	7.5	.....
"	Examiner	1	7.5	.....
"	Finishers	126	12.7	.....
"	Hat makers	15	10	.....
"	Machine operators	417	17	.....
"	Skirt makers	25	15	.....
"	Tailors	3	10	.....
"	Trimmers	3	7.5	.....
"	Vest makers	2	12.5	.....
Coffee, baking powder and spices	Fillers	7	.....	5
Electrical goods and supplies	Labelers	7	25	.....
Foundry and machine shop products	Piece workers	32	2	.....
Hardware	Press hands	17	5	.....
Hats, caps and furnishings	Cap makers	3	14	.....
"	Finishers	2	10	.....
"	Liners	3	15	.....
"	Machine operators	4	10	.....
"	Trimmers	6	15	.....
Paints and varnishes	Color maker	1	8	.....
"	Labelers	2	9	.....
"	Packers	11	17	.....
Plumbing, steam and gas fitting supplies	Wrappers	6	5	.....
Printing and binding	Binders	30	12.2	.....
"	Compositors	3	10	.....
"	Folder	1	10	.....
"	Press feeders	15	12.3	.....
"	Proof readers	2	4	.....
Tinware, sheet-iron and galvanized ironware	Cleaners	5	10	.....
" "	Liners	5	10	.....
Trunks and valises	Bag makers	2	5	.....
"	Machine operator	1	7.5	.....
Wire rods, wire cloth and wire goods	Spring bed makers	18	5	.....
Totals and averages		978	12.9	.....
		7	.....	5

TABLE IV*b*—MANUFACTURES—COLUMBUS.

AWNINGS, TENTS AND FLAGS—4 ESTABLISHMENTS

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice	1	125	$0 67	$83 75	9
Awning hangers	7	308	2 07	637 56	10
Cutters	2	300	2 50	750 00	10
BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—4 ESTABLISHMENTS.					
Apprentices	2	150	1 00	150 00	10
Assemblers	10	312	2 50	780 00	9
Blacksmiths	6	257	2 50	642 50	9.5
Blacksmiths' helpers	2	310	1 75	542 50	10
Carpenters	3	207	2 67	552 69	9.6
Draughtsmen	3	306	2 41	737 46	10
Electricians	1	300	2 25	375 00	10
Engineers	2	311	2 67	830 37	9.5
Foreman	1	90	2 50	225 00	9
Laborers	3	160	1 63	260 80	9.6
Machinists	61	291	2 58	750 78	9.7
Painters	5	311	2 55	793 05	9.4
Upholsterers	2	311	2 67	830 37	9.5
Upholsterers' helper	1	310	1 50	465 00	10
Watchmen	2	195	1 50	292 50	10.5
BILLIARD TABLES, BAR AND STORE FIXTURES—5 ESTABLISHMENTS.					
Assemblers	24	312	1 25	390 00	10
Cabinet makers	44	307	2 36	724 52	9.8
Carpenters	2	300	3 00	900 00	8
Carver	1	300	3 00	900 00	9
Engineers	3	305	2 17	661 85	10
Finishers	9	301	1 93	580 93	9.7
Foremen	10	312	2 50	780 00	10
Glaziers	2	300	2 00	600 00	10
Laborers	29	310	1 50	465 00	9.9
Machine hands	68	309	1 87	577 83	9.6
Packers	4	312	1 25	390 00	10
Plumber	1	300	3 00	900 00	8
Sander	1	300	75	225 00	10
Varnishers	8	312	1 50	468 00	10
Warehouse hands	2	312	1 50	468 00	10
Watchmen	2	305	1 38	420 90	10
Wood workers	4	300	2 25	675 00	10
Yard hands	4	312	1 25	390 00	10
BOILERS, ENGINES AND TANKS—6 ESTABILSHMENTS.					
Blacksmiths	3	297	2 83	840 51	10
Blacksmiths' helpers	2	293	1 50	439 50	10
Boiler makers	17	303	2 50	757 50	10
Boiler makers' helpers	13	300	1 55	465 00	9.7
Carpenters	2	293	2 25	659 25	10
Core makers	7	293	1 75	512 75	10
Draughtsman	1	293	3 00	879 00	8
Drill press hands	2	305	1 75	533 75	10
Engineers	3	305	2 00	610 00	10
Laborers	26	273	1 54	420 42	10
Laborers (boys)	2	305	50	152 50	10
Lathe hands	4	305	1 75	533 75	10
Machinists	82	295	2 55	752 25	10
Machinists' apprentices	15	302	81	244 62	10
Machinists' helpers	21	294	1 42	417 48	10
Molders	24	293	2 50	732 50	10
Molders' helpers	14	293	1 50	439 50	10
Painters	2	293	2 00	586 00	10
Pattern makers	3	297	3 00	891 00	10
Planer hand	1	305	1 75	533 75	10
Sheet-iron worker	1	306	2 25	688 50	10
Watchman	1	293	1 75	512 75	10

TABLE IV*b*—MAUFACTURES—COLUMBUS—Continued.

BOOTS AND SHOES—9 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottomers	792	305	$1 74	$530 70	9.9
Cutters	273	306	1 68	514 08	9.8
Finishers	26	305	1 50	457 50	9.6
Foremen	9	310	3 00	930 00	10
Helpers	20	300	75	225 00	10
Lasters	340	308	1 83	563 64	9.6
Machine hands	31	306	1 78	546 08	10
Packers	6	300	1 50	450 00	9
Shippers	13	310	2 00	620 00	10
Shoe makers	20	200	1 50	300 00	10
Stock hands	158	308	1 63	502 04	10
BOXES (PAPER)—2 ESTABLISHMENTS.					
Compositor	1	307	2 67	819 69	10
Cutters	3	307	1 91	586 37	10
Die maker	1	307	2 67	819 69	10
Driver	1	307	1 50	460 50	10
Elevator hand	1	307	2 50	767 50	10
Laborers	2	307	1 50	460 50	10
Laborers (boys)	6	290	85	246 50	10
Packers (boys)	10	307	53	162 71	10
Press feeders	6	307	1 71	524 97	10
Scorers	3	301	1 36	409 36	10
Shippers	3	307	1 65	506 55	10
BOXES (WOODEN)—4 ESTABLISHMENTS.					
Box maker	1	265	2 00	530 00	10
Box makers (boys)	10	300	80	240 00	10
Embosser	1	300	1 75	525 00	10
Laborers	20	300	1 40	420 00	10
Laborers (boys)	2	300	50	150 00	10
Machine hands	20	300	2 00	600 00	10
Nailers	2	225	1 62	364 50	9.5
Printers	2	300	1 65	495 00	10
Sawyers	2	300	2 00	600 00	10
BREAD AND OTHER BAKERY PRODUCTS—8 ESTABLISHMENTS.					
Bakers	98	315	1 86	585 90	9.9
Candy makers	13	299	1 58	472 42	10
Coopers	7	279	1 73	482 67	9.8
Drivers	9	293	1 58	462 94	10
Engineers	5	287	2 32	665 84	10
Foreman	4	311	3 67	1,141 37	10
Helpers	3	271	77	208 67	10
Hostlers	3	287	1 78	510 86	10
Laborers	18	325	1 42	461 50	10
Machine hands	4	271	1 50	406 50	10
Mixers	2	271	2 50	677 50	10
Oven tenders	2	271	1 67	452 57	10
Porter	2	344	1 37	471 28	10
Shipping clerk	1	271	3 00	813 00	10
Watchman	1	228	1 45	330 60	10
BRICK AND TILE—5 ESTABLISHMENTS.					
Burners	3	236	2 17	512 12	10
Carters	5	174	1 93	335 82	10
Crusher hands	2	190	1 50	285 00	10
Dryer hands	2	190	1 75	332 50	10
Dumper	1	110	1 65	181 50	8
Engineers	3	283	2 33	659 39	10
Finishers	6	267	3 00	801 00	10
Firemen	2	330	1 75	577 50	10
Hostler	1	190	1 50	285 00	10

TABLE IV*b*—MAUFACTURES—COLUMBUS—Continued.

BRICK AND TILE—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers	67	279	$1 60	$447 30	10
Laborers (boys)	4	190	90	171 00	10
Machine hands	7	290	1 64	475 60	10
Packers	2	190	1 75	332 50	10
Panmen	5	330	1 50	495 00	10
Sander	1	110	1 75	192 50	8
Setters	7	200	225	450 00	9.7
Shelver	1	110	1 65	181 50	8
Sorters	12	330	1 75	577 50	10
Striker	1	110	1 65	181 50	8
Teamsters	8	150	1 65	247 50	10
Temperers	3	136	1 67	227 12	8.7
Wheelers	9	281	1 53	429 93	9.5
BROOMS AND BRUSHES—3 ESTABLISHMENTS.					
Broom makers	8	297	1 62	481 14	9.8
Preparers	3	300	1 25	375 00	10
Sewers	2	290	1 62	469 80	9.5
Sorter	1	300	1 50	450 00	10
CARRIAGES AND WAGONS—14 ESTABLISHMENTS.					
Blacksmiths	197	301	2 05	617 05	9.1
Blacksmiths' helpers	13	303	1 47	445 41	8.8
Body makers	43	309	2 06	628 30	9
Bow and shaft makers	4	309	1 50	463 50	10
Craters	65	306	1 58	477 48	9
Cushion makers	17	309	1 45	448 05	9
Engineers	1	298	2 00	596 00	9
Filers and grinders	22	309	1 77	543 39	9
Finishers	2	307	1 75	537 25	9
Gear builders	9	309	1 82	562 38	9
Gear fitters	12	309	1 62	500 58	9
Harness makers	18	301	2 45	737 45	9
Helpers	2	307	1 50	460 50	9
Laborers	33	290	1 59	461 10	9
Laborer (boy)	1	300	1 00	300 00	9
Machinists	33	309	1 76	543 84	11
Painters	243	302	1 89	570 78	9
Sawyers	22	309	1 50	463 50	9
Stock keepers	2	309	1 70	525 30	10
Teamsters	12	309	1 30	401 70	10
Trimmers	163	302	1 92	579 84	9
Varnishers	29	309	1 70	525 30	9
Watchman	1	298	1 50	447 00	9
Wheel makers	18	309	1 66	512 94	9
Wood workers	86	299	2 16	545 84	9.2
Yard hands	8	309	1 86	574 74	9
CARRIAGE AND WAGON MATERIALS—7 ESTABLISHMENTS.					
Bench hands	45	275	2 27	624 25	9.8
Blacksmiths	25	250	2 25	562 50	9
Cutter	1	250	2 00	500 00	10
Dash makers	25	250	1 50	375 00	9
Hammermen	10	270	2 70	742 50	10
Laborers	30	256	1 53	391 68	10
Laborer (boy)	1	279	1 00	279 00	9
Machine hands	90	276	1 62	446 12	10
Machinists	10	275	2 00	550 00	10
Molders	15	275	2 67	734 25	10

TABLE IV*b*—MAUFACTURES—COLUMBUS—Continued.

CIGARS—14 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, labor.	Average hours of daily labor.
Apprentice	1	312	$1 50	$468 00	8
Bunch breaker	1	275	90	247 50	9
Cigar makers	32	291	2 03	590 73	8.1
Cigar makers (boys)	52	307	1 00	307 00	9
Laborer	1	275	1 50	412 50	10
Rollers	6	275	1 65	453 75	9
Stogie makers	6	258	1 41	363 78	7.6
Strippers	4	278	76	211 28	9.5

CLOTHING—44 ESTABLISHMENTS

Bushelman	1	306	3 00	918 00	10
Coat makers	167	287	2 53	726 11	9.7
Cutters	11	262	2 59	678 58	9.4
Draughtsman	1	296	3 00	882 00	10
Helpers	3	303	1 22	369 66	10
Jacket makers	3	260	3 25	845 00	9
Porters	3	290	1 31	379 90	9.6
Shipping clerk	1	276	1 25	345 00	9.5
Skirt makers	2	260	3 25	845 00	9
Stock hands	2	276	1 00	276 00	9.5
Tailors	30	300	2 40	720 00	9.6
Trimmer	1	260	3 25	845 00	9
Trouser makers	16	296	2 62	775 52	9.6
Vest makers	4	290	2 25	652 50	10

COFFEE, BAKING POWDER AND SPICES—3 ESTABLISNHMENTS

Driver	1	300	2 00	600 00	10
Engineer	1	309	1 92	593 28	10
Errand boy	1	309	67	207 03	10
Foremen	2	309	3 50	1,081 50	10
Laborers	7	308	1 75	531 00	8
Packers	20	309	1 51	466 59	10
Porters	3	300	1 50	450 00	10
Roaster	1	300	2 50	750 00	10
Watchman	1	309	1 50	463 50	12

CONFECTIONERY—4 ESTABLISHMENTS

Boiler hand	1	306	1 75	535 50	10
Candy. makers	19	303	1 71	518 13	10
Driver	1	306	2 00	612 00	10
Foremen	5	306	2 50	765 00	10
Helpers	33	306	62	189 72	9.9
Starch boys	6	306	46	140 76	10

COPPER AND BRASS GOODS—2 ESTABLISHMENTS.

Blacksmith	1	300	1 75	525 00	10
Core makers	4	300	1 00	300 00	10
Finishers	8	300	2 00	600 00	10
Fitters	3	300	2 00	600 00	10
Furnace hand	1	300	2 00	600 00	10
Grinder	1	300	1 50	450 00	10
Helpers	4	300	1 25	375 00	10
Laborers	2	307	1 50	460 50	10
Laborer (boy)	1	300	75	225 00	10
Machinist	3	300	3 00	900 00	10
Molders	5	242	2 45	592 90	10
Pattern maker	1	300	2 00	600 00	10
Polishers	2	300	2 00	600 00	10

TABLE IV*b*—MAUFACTURES—COLUMBUS—Continued.

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carder	1	255	$2 25	$573 75	10
Carder's helpers	5	255	1 10	280 50	10
Dyer	1	255	1 90	484 50	10
Dyer's helpers	2	255	1 25	318 75	10
Engineer	1	255	2 00	510 00	10
Finisher	1	255	1 85	471 75	10
Finisher's helpers	2	255	75	191 25	10
Machine hands	4	288	1 17	298 35	9
Spinners	2	255	1 50	382 50	10
Warpers	1	255	1 50	382 50	10
Weaver	1	255	2 50	637 50	10
DAIRY PRODUCTS—3 ESTABLISHMENTS					
Butter maker	1	280	1 67	467 60	6
Butterine makers	40	365	1 75	638 75	9
Checkman	1	365	1 50	547 50	10
Cream workers	2	365	2 25	821 25	10
Drivers	7	340	1 47	499 80	9.4
Laborer	1	280	1 25	350 00	6
Packers	3	365	1 70	520 50	10
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—6 ESTABLISHMENTS.					
Advertizer	1	306	2 50	765 00	10
Aritficial limb makers	3	306	3 00	918 00	10
Bottler	1	300	75	225 00	10
Candy maker	1	158	1 25	197 50	10
Chemist	1	307	4 00	1,228 00	9.5
Clerks	4	306	3 00	918 00	10
Delivery hands	4	306	50	153 00	10
Electrotypers	12	303	1 83	554 49	9.5
Hospital furniture makers	28	306	2 50	765 00	10
Laboratory hands	10	306	1 63	498 78	10
Laborers	48	303	1 39	421 17	9.5
Optical hands	5	306	2 00	612 00	10
Orthopedic hand	1	306	2 35	719 10	10
Pill makers	2	306	1 75	535 00	10
Prescription hands	5	306	1 50	459 00	10
Pressmen	7	303	2 01	609 03	9.5
Printers	12	304	2 43	738 72	9.7
Shipping clerks	7	306	1 75	535 00	10
Teamster	16	303	1 48	448 44	9.5
EXTRACTS, TOILET ARTICLES AND PERFUMERY—2 ESTABLISHMENTS					
Laborers	2	306	1 06	324 36	9.5
Packer	1	269	1 00	269 00	8
FLOURING MILL PRODUCTS—5 ESTABLISHMENTS.					
Elevator hands	3	300	1 50	450 00	10
Engineers	6	243	2 28	554 04	11.3
Firemen	2	214	1 75	377 50	12
Laborers	7	226	1 64	370 64	10
Millers	6	271	2 17	588 07	11.3
Packers	7	250	1 63	407 50	11.1
Teamsters	10	265	1 68	445 20	10
FOUNDRY AND MACHINE SHOP PRODUCTS—22 ESTABLISHMENTS.					
Apprentice	1	120	50	60 00	10
Assemblers	112	240	2 00	480 00	10
Blacksmiths	13	289	1 91	551 99	10
Blacksmiths' helper	1	300	1 75	525 00	10
Bolt makers	5	305	2 25	686 25	10

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—22 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carpenters	5	301	$2 00	$602 00	10
Chain makers	123	301	2 46	740 46	9.5
Chain makers' helpers	40	300	1 10	330 00	9
Chemists	4	292	1 80	525 60	10
Core makers	13	298	2 12	631 76	9.7
Core makers' helpers	2	270	1 25	337 50	10
Cranemen	16	292	2 40	700 80	11
Cupola tenders	2	304	2 00	608 00	10
Draughtsmen	2	292	3 50	1,022 00	8
Engineers	6	292	1 97	575 24	10
Fireman	1	300	1 75	525 00	10
Fitters	203	292	1 81	528 52	11
Foremen	17	294	4 13	1,214 22	10.4
Foundry hands	460	246	2 18	536 28	10.8
Furnace hands	16	292	3 00	876 00	12
Grinders	4	284	1 93	548 12	10
Hammermen	2	280	1 00	280 00	10
Heaters	5	284	1 80	511 20	8
Heaters (boys)	12	203	50	101 50	10
Helpers	36	288	1 59	457 92	9.3
Inspectors	7	303	1 60	484 80	10
Japanners	3	300	1 25	375 00	10
Laborers	543	296	1 55	458 80	9.8
Leaders (welding sets)	5	284	2 80	795 20	8
Link cutters	4	300	1 80	540 00	10
Link winders	24	303	1 60	484 80	10
Machinists	137	277	2 49	689 73	10.5
Machinists' helper	1	270	1 50	405 00	10
Machine operators	5	296	2 05	606 80	10
Masons	9	292	3 21	937 32	9.2
Molders	246	282	2 48	699 36	9.5
Molders' helpers	10	270	1 50	405 00	10
Nut makers	8	305	2 00	610 00	10
Nut tappers	3	305	1 75	533 75	10
Packers	4	303	1 60	484 80	10
Pattern makers	32	288	2 64	760 32	10
Platers	5	240	2 20	528 00	10
Polishers	21	240	2 20	528 00	10
Press hand	1	280	1 50	420 00	10
Shearmen	2	292	1 70	496 40	10
Shop hands	105	240	1 60	384 00	10
Stack hands	2	292	1 40	408 80	10
Testers	2	300	1 75	525 00	10
Tool makers	20	240	3 20	768 00	10
Watchmen	7	285	1 52	433 20	11
Wheel makers	83	308	2 04	628 32	10
Yard hands	10	240	1 50	360 00	10
FURNITURE—5 ESTABLISHMENTS.					
Cabinet makers	3	301	2 10	632 10	9.6
Finishers	10	262	2 00	524 00	10
Laborers	22	255	1 52	387 60	10
Machine hands	1	280	1 80	504 00	9
Pad makers	10	250	1 25	312 50	10
Painter	1	310	1 50	465 00	10
Piano stool makers	79	306	129	394 74	10
Polisher	1	310	2 00	620 00	10
Turner	1	280	1 80	504 00	9
Upholsterers	25	254	2 94	746 76	10
Vise hands	4	310	1 75	542 50	10
FURS—2 ESTABLISHMENTS.					
Cutters	2	300	3 50	1,050 00	9
Nailer	1	300	1 75	525 00	9
Porter	1	250	1 00	250 00	9.5

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

GAS AND ELECTRICITY—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Coal handlers	5	365	$1 72	$639 80	10
Engeneers	7	365	2 39	872 35	10.5
Firemen	25	365	2 10	766 50	11.1
Ground men	4	365	1 50	547 50	10
Hostler	1	365	1 50	547 50	10
Inspectors	2	365	2 13	777 45	10
Laborers	29	365	1 50	547 50	10
Linemen	15	365	2 20	803 00	10
Machinists	2	365	3 23	1,178 95	10
Meter men	4	365	1 75	637 75	10
Oilers	4	365	1 63	594 95	10
Plumbers	4	365	2 25	821 25	10
Repair hands	10	365	2 00	730 00	10
Stack keepers	2	365	1 30	474 50	10
Sub-station operator	1	365	2 50	912 50	10
Switch board operators	3	365	1 73	631 45	10
Trimmers	10	365	1 70	620 50	10
Trouble hands	3	365	1 45	529 25	10
GLASS AND GLASSWARE— 3 ESTABLISHMENTS.					
Blowers	62	302	5 58	1,685 16	9.3
Cutters	10	308	3 00	924 00	10
Cutters (boys)	30	308	1 50	462 00	10
Draughtsman	1	308	4 00	1,232 00	8
Factory hands (boys)	150	290	1 10	319 00	10
Finishers	4	308	2 00	616 00	10
Furnace hands	8	290	2 00	580 00	12
Gatherers	51	290	3 15	913 50	10
Helpers	42	308	1 00	308 00	9
Laborers	118	293	1 61	471 73	9.7
Lead glazers	14	308	3 00	924 00	10
Machinists	10	290	3 25	942 50	10
Packers	8	290	2 50	725 00	10
Painters	12	308	3 50	1,078 00	8
Pressers	31	290	3 24	939 60	10
GLOVES AND MITTENS—3 ESTABLISHMENTS.					
Boarder	1	300	1 70	510 00	9
Cutters	30	264	1 96	517 44	9.1
Engineers	2	201	3 00	603 00	9.2
Finishers	3	302	1 70	513 40	9
Foreman	1	201	2 25	452 25	9.2
Laborers	5	201	1 50	301 50	9.2
Shipping clerk	1	201	2 50	502 50	9.2
Tanners	3	201	2 25	452 25	9.2
HARNESS AND SADDLERY—8 ESTABLISHMENTS.					
Awl hands	2	300	1 30	390 00	10
Collar makers	10	300	2 00	600 00	10
Cutter	1	300	2 00	600 00	10
Harness makers	89	296	1 74	516 84	10
Machine hand	1	300	1 00	300 00	10
Riveter	1	300	75	225 00	10
Shipping clerk	1	300	1 50	450 00	10
Stuffers	5	300	1 35	405 00	10
Turner	1	300	50	150 00	10
HATS, CAPS AND FURNISHINGS—5 ESTABLISHMENTS.					
Apprentice	1	312	83	258 96	9
Cap makers	5	275	2 25	618 75	9.5
Cutter	1	312	2 67	833 04	9
Frame makers	8	265	1 00	265 00	9
Hatter	1	300	2 50	750 00	9
Presser	1	150	1 50	225 00	9

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

ICE (ARTIFICIAL)—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Drivers	18	325	$2 00	$650 00	10
Engineers	6	364	2 61	950 04	12
Firemen	7	364	1 91	695 24	12
Laborers	53	332	1 67	554 44	10.3
IRON (STRUCTURAL AND ARCHITECTURAL)—4 ESTABLISHMENTS.					
Blacksmith	1	306	3 00	918 00	10
Blacksmith's helper	1	306	1 00	306 00	10
Bridge workers	28	303	2 21	669 63	9
Foreman	1	306	2 50	765 00	10
Iron workers	11	303	1 64	496 92	10.3
Laborers	41	303	1 45	439 35	9
Machinists	12	308	2 00	616 00	10
Mechanics	2	306	2 37	825 22	10
Pressman	1	306	2 00	612 00	10
Pressman's helper	1	306	1 50	459 00	10
Stock hands	1	306	2 35	719 10	10
Template makers	2	303	2 48	751 44	9
JEWELRY AND WATCHES—3 ESTABLISHMENTS.					
Jewelers	21	292	2 25	657 00	9.5
Polisher	1	306	50	153 00	9
Repairer	1	306	1 50	459 00	9
LEATHER AND LEATHER GOODS—2 ESTABLISHMENTS.					
Curriers	5	306	1 50	459 00	10
Finishers	5	280	2 50	700 00	9
Laborers	10	280	1 50	420 00	9
Scourers	2	280	2 25	630 00	9
Setters	10	280	2 50	700 00	9
Shavers	3	280	2 75	770 00	9
Stuffers	15	280	2 50	700 00	9
Tanners	5	306	1 50	459 00	10
Whiteners	5	280	2 50	700 00	9
LIGHTING APPARATUSES—5 ESTABLISHMENTS.					
Assemblers	4	290	2 75	797 50	10
Bevelers	6	290	2 00	580 00	10
Buffers	6	290	2 10	609 00	10
Chemist	1	220	2 50	550 00	9
Engineer	1	290	2 50	725 00	10
Errand boy	1	52	67	34 84	10
Finishers	2	290	2 25	652 50	10
Fire extinguisher maker	1	303	2 00	606 00	10
Foreman	1	220	2 50	550 00	9
Foundry hands	3	303	2 75	833 25	10
Helpers	15	303	1 00	303 00	10
Japanners	2	290	2 25	652 50	10
Lamp makers	7	299	1 92	574 08	10
Machinists	5	305	2 15	655 75	10
Mantle makers	5	300	1 50	450 00	9.5
Pattern maker	1	303	2 00	606 00	10
Platers	5	297	2 20	653 40	10
Platers' helper	1	290	1 00	290 00	10
Polisher	7	303	2 50	757 50	10
Pressmen	5	290	1 25	362 50	10
Spinner	1	290	2 75	797 50	10
Solderers	5	290	83	240 70	10

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

LIME, SAND, CEMENT AND PLASTER—7 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carpenters	2	315	$3 75	$1,181 25	10
Driver	1	311	1 25	388 75	10
Engineer	1	306	2 00	612 00	10
Foremen	4	314	2 00	628 00	10.1
Laborers	50	299	1 63	487 37	9.9
Teamsters	25	314	2 94	923 16	10

LIQUORS (MALT)—4 ESTABLISHMENTS.

Blacksmiths	4	353	2 75	970 75	10
Bottlers	133	338	2 12	716 56	9
Bottlers' helpers	30	353	1 83	645 99	9
Brewers	52	311	2 66	827 26	9
Cellar hands	50	353	2 67	832 51	9
Coopers	5	343	2 58	785 74	9
Drivers	66	326	2 64	860 64	9.2
Engineers	19	333	2 73	909 09	8.4
Firemen	15	327	2 39	781 53	8.2
Hostlers	18	328	2 00	656 00	9.6
Helpers	4	353	1 85	653 05	8
Ice hands	4	353	2 00	706 00	10
Laborers	24	346	2 00	692 00	9.9
Machinists	4	353	2 75	970 75	10
Machinists' helpers	4	353	1 81	638 93	10
Malters	4	306	2 67	817 02	10
Porters	2	306	1 25	382 50	9
Wash-house hands	32	218	2 50	545 00	9
Watchmen	5	337	1 89	636 93	10

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING— 5 ESTABLISHMENTS.

Apprentices	8	304	91	276 64	8.5
Artists	11	304	3 03	921 12	8.3
Blackers	3	301	2 50	752 50	8.5
Compositor	1	313	4 08	1,277 04	8
Copy boys	2	313	50	156 50	8
Cutters	2	308	1 50	462 00	9
Editors	2	313	3 58	1,120 54	8
Engravers	6	302	3 48	1,050 96	8.2
Errand boy	1	308	83	255 64	9
Etchers	8	303	2 84	860 52	8.5
Feeders	2	308	1 66	503 28	9
Finishers	5	302	3 83	1,156 66	8.5
Helpers	2	313	1 00	313 00	8
Janitor	1	301	80	240 80	8.5
Laborers	4	301	150	451 50	8.5
Linotype operators	4	313	4 00	1,252 00	8.
Linotype operators' helper	1	313	1 16	363 08	8
Machinists	2	307	3 33	1,022 31	9
Numberer	1	308	1 00	308 00	9
Photographers	2	301	75	225 75	8.5
Pressmen	2	308	3 00	924 00	9
Proof readers	3	302	2 67	806 34	8.5
Router	1	307	3 00	921 00	8.5
Shipping clerk	1	313	2 00	626 00	9
Stereotypers	3	313	2 43	760 59	8
Stone grinder	1	308	2 00	616 00	9
Transferers	3	308	3 12	960 96	9
Truckman	1	313	3 15	985 95	9

MACHINERY—8 ESTABLISHMENTS.

Apprentices	3	307	1 00	307 00	10
Bench hands	30	310	1 75	542 50	10

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

MACHINERY—8 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmiths	25	311	$2 33	$724 63	10
Blacksmiths' helpers	11	314	1 43	449 02	10
Boiler makers	2	310	2 92	905 20	10
Carpenters	22	286	1 60	457 60	9.4
Chain makers	55	310	1 00	310 00	10
Draughtsmen	30	310	2 47	765 70	10
Electricians	44	308	1 63	502 04	10
Engineers	9	298	2 46	733 08	10
Erectors	58	282	1 93	544 26	10
Firemen	5	280	2 00	560 00	10
Helper	1	300	1 50	450 00	10
Iron and steel workers	273	280	2 15	602 00	10
Laborers	263	292	1 50	438 00	10
Machinists	346	302	2 46	742 92	9.8
Machinists' helpers	10	310	1 50	465 00	10
Molders	26	310	2 71	840 10	10
Painters	38	282	1 74	490 68	10
Pattern makers	38	309	2 28	704 52	10
Teamsters	7	306	1 49	455 94	10
Watchmen	3	304	1 31	398 24	10
Wood workers	78	280	2 20	616 00	10
PAINTS AND VARNISHES—4 ESTABLISHMENTS.					
Drivers	2	306	1 88	575 28	9
Engineer	1	300	2 00	600 00	10
Grinders	2	312	2 50	780 00	10
Laborers	2	300	2 00	600 00	8
Paint makers	21	303	1 73	524 19	10
Shipping clerks	9	303	1 65	499 95	9.5
PRINTING AND BINDING—27 ESTABLISHMENT.					
Apprentices	15	304	88	267 52	9.1
Binders	13	304	2 51	763 04	9.1
Box maker	1	307	1 50	460 50	10
Carriers	38	362	50	181 00	2
Compositors	137	316	2 53	799 48	9.1
Cutters	5	309	2 13	658 17	9.2
Editors	3	362	3 00	1,086 00	8
Electrotypers	3	302	2 92	881 84	9
Engineer	1	307	1 67	512 69	10
Engravers	2	334	3 17	1,058 78	9.3
Errand boys	6	308	63	194 04	8.9
Feeders	84	307	1 40	429 80	9
Finishers	3	307	2 30	706 10	10
Foremen	13	303	3 45	1,045 35	9.3
Forwarders	6	307	3 24	994 68	10
Helpers	7	305	1 55	472 75	9.7
Janitor	1	308	1 16	357 28	9
Laborer	1	315	1 50	472 50	9
Linotype operators	15	304	3 25	988 00	8
Machinists	2	304	3 59	1,091 36	8
Machinist's helper	1	302	1 25	377 50	8
Packer	1	306	2 00	612 00	9.5
Porters	11	306	1 26	385 56	9.6
Pressmen	27	309	2 58	797 22	9
Pressmen's helpers	6	312	1 89	589 68	9.2
Proof reader	1	302	2 50	755 00	9
Proof reader's helper	1	302	1 00	302 00	9
Rulers	6	307	2 88	884 16	9.7
Shipper	1	308	1 50	462 00	9
Solicitor	1	309	2 00	618 00	9
Stenciler	1	308	1 50	462 00	9
Stoneman	1	300	3 00	900 00	9.5

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

ROOFING (STEEL, IRON AND TIN)—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice	1	290	$1 00	$290 00	9
Helpers	7	293	1 15	336 95	8.4
Laborers	4	306	1 50	459 00	10
Roofers	20	277	2 30	637 10	8.8
Sheet metal workers	17	300	2 56	768 00	8
RUGS AND CARPET CLEANING—4 ESTABLISHMENTS.					
Carpet layers	2	282	1 92	541 44	9
Cutters	2	306	1 62	495 72	10
Drivers	4	294	1 52	446 88	9.5
Engineers	2	307	1 67	512 69	10.3
Laborers	3	309	1 50	463 50	10
Ravelers	2	306	65	198 90	10
Shipping clerk	1	306	1 50	459 00	10
Weavers	12	306	1 00	306 00	10
Winders	4	306	50	153 00	10
SASH, DOORS, LUMBER AND INTERIOR FINISH—13 ESTABLISHMENTS.					
Apprentices	5	306	1 50	459 00	8
Bench hands	11	300	2 30	690 00	9.5
Cabinet makers	8	295	2 50	737 50	9
Carpenters	56	300	2 41	723 00	9
Carvers	2	295	2 50	737 50	9
Engineers	4	301	2 07	623 07	9.3
Finishers	9	296	1 62	479 52	9
Foremen	5	273	2 23	608 79	9.8
Helpers	6	300	1 40	420 00	9
Laborers	37	302	1 51	456 02	9.9
Machine hands	101	300	2 17	651 00	9.1
Mechanics	7	306	2 50	765 00	8
Sawyers	2	300	2 38	714 00	9.5
Teamsters	15	293	1 61	471 73	9.8
Watchman	1	300	1 25	375 00	10
SLAUGHTERING AND MEAT PACKING—2 ESTABLISHMENTS.					
Butchers	11	312	2 34	730 08	10
Drivers	4	312	1 83	570 96	10
Engineer	1	312	1 92	599 04	10
Laborers	4	303	1 69	512 07	10
SOAP, CANDLES AND TALLOW—3 ESTABLISHMENTS.					
Cutter	1	310	2 00	620 00	10
Drivers	2	310	2 00	620 00	10
Engineer	1	310	3 00	930 00	10
Fireman	1	310	2 00	620 00	10
Laborers	4	310	1 90	589 00	10
Presser	1	310	2 00	620 00	10
Soap makers	3	307	1 92	589 44	10
SODA AND MINERAL WATERS—2 ESTABLISHMENTS.					
Bottlers	5	310	2 07	641 70	10
Bottle washers	6	310	1 13	350 30	10
Hostlers	2	310	1 72	533 20	10
Teamsters	7	310	2 07	641 70	10
STARCH—2 ESTABLISHMENTS.					
Laborers	35	300	1 50	450 00	10
Mixer	1	153	1 80	275 40	9

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

STEEL, IRON AND TIN—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmiths	5	279	$2 26	$275 40	10.8
Blacksmiths' helper	1	300	1 65	395 00	10
Boiler cleaner	1	305	1 75	533 75	10
Boiler makers	3	305	2 25	686 25	10
Cagers	4	243	2 10	510 30	12
Carpenters	2	305	2 75	838 75	10
Catchers	2	300	3 25	975 00	10
Drag-outs	4	300	1 80	540 00	10
Engineers	11	286	2 50	715 00	10.5
Engineers' helpers	2	305	1 65	503 25	10
Faggot makers	4	300	2 25	675 00	10
Fillers	56	267	2 00	534 00	11
Fillers' helpers	34	305	1 65	503 25	10
Firemen	16	293	1 85	542 05	10.5
Foremen	10	304	2 77	842 08	10
Furnace hands	220	214	1 87	400 18	11.2
Heaters	4	330	7 50	2,475 00	10
Helpers	8	243	2 10	510 30	12
Iron breakers	4	305	2 00	610 00	10
Iron carriers	34	287	2 30	660 10	10.6
Keepers	8	274	2 38	652 12	11
Keepers' helpers	8	305	1 80	549 00	10
Laborers	130	303	1 57	475 71	10
Machinists	3	305	2 60	793 00	10
Mason	1	300	3 50	1,050 00	10
Molders	4	305	2 00	610 00	10
Molders' helpers	8	305	1 85	564 25	10
Ore hands	4	243	1 98	471 14	12
Pipe fitters	3	305	1 70	518 50	10
Puddlers	12	300	5 50	1,650 00	10
Puddlers' helpers	12	300	3 25	975 00	10
Pumpers	4	305	2 00	610 00	10
Rollers	3	300	8 50	2,550 00	10
Roll hands	15	300	1 75	525 00	10
Roll turner	1	300	5 00	1,500 00	10
Roughers	5	300	3 25	975 00	10
Shearmen	4	300	2 00	600 00	10
Shearmen s helpers	4	300	1 75	525 00	10
Skip men	4	305	2 10	640 50	10
Snappers	16	243	2 00	486 00	12
Steel workers	210	183	2 09	372 47	11.4
Store hands	4	243	2 10	510 30	12
Straighteners	6	300	1 60	480 00	10
STONE (CUT, SAWED AND ARTIFICIAL) — 2 ESTABLISHMENTS.					
Finishers	6	253	3 00	759 00	10
Foreman	1	280	2 25	630 00	10
Laborers	49	264	1 55	469 20	10
Mixers	4	280	2 00	560 00	10
Step setters	3	280	2 00	560 00	10
Teamsters	4	280	1 65	462 00	10
Teamsters (with team)	9	253	2 83	715 99	10
STOVES, RANGES AND FURNACES—10 ESTABLISHMENTS.					
Apprentices	3	300	1 75	525 00	10
Body makers	4	300	2 50	750 00	10
Casting cleaner	1	250	1 75	437 50	10
Cupola tender	1	250	1 75	437 50	10
Draughtsman	1	310	1 81	561 10	10
Engineers	2	300	2 00	600 00	10
Iron workers	14	310	1 84	570 40	10
Laborers	62	283	1 55	438 65	9.8
Molders	70	283	2 86	809 38	10
Mounters	38	294	2 40	705 60	9.7
Painter	1	253	2 50	632 50	10

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—10 ESTABLISHMENTS. Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pattern makers	4	300	$2 50	$750 00	10
Range makers	5	250	1 50	375 00	10
Sheet-iron workers	13	274	2 54	695 96	9.5
Teamsters	4	287	1 75	502 25	10
Tinners	21	303	2 06	624 18	9.8
TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—10 ESTABLISHMENTS.					
Blacksmith	1	303	2 75	833 25	10
Foundry hands	16	303	2 40	727 20	10
Helpers	5	307	70	214 90	10
Laborers	63	299	1 84	550 16	10
Machinists	7	303	2 92	884 76	9.4
Metal workers	57	306	1 66	507 96	8.3
Packers	2	300	2 25	675 00	8
Packers (boys)	6	307	55	168 85	10
Pattern makers	3	302	3 08	930 16	9.3
Pressmen	24	302	2 07	625 14	8.6
Sheet metal workers	6	300	2 50	750 00	8
Shipping clerk	1	307	1 65	506 55	10
Steel workers	15	300	2 45	735 00	8
Tinners	17	219	1 96	429 24	9.1
Watchman	1	307	2 00	614 00	12
TOOLS— 6 ESTABLISHMENTS.					
Apprentices	2	279	80	223 20	10
Blacksmith	1	300	2 25	675 00	10
Engineer	1	303	2 00	606 00	10
File cutters	16	300	2 00	600 00	10
Foreman	1	306	4 50	1,377 00	10
Forgers	2	300	2 00	600 00	10
Grinders	7	304	2 57	781 28	10
Helpers	2	290	1 70	493 00	10
Machinists	39	300	2 83	849 00	10
Saw makers	27	304	3 32	1,009 28	9
Saw makers' helpers	13	306	1 50	459 00	9
Tool makers	61	303	1 82	551 46	10
TRUNKS AND VALISES—3 ESTABLISHMENTS.					
Trunk makers	36	309	2 22	685 98	10
WIRE RODS, WIRE CLOTH AND WIRE GOODS—4 ESTABLISHMENTS.					
Annealer	1	306	1 00	306 00	10
Drawers	2	306	3 25	994 50	10
Helpers	5	309	1 00	309 00	9.2
Insulators	2	306	1 35	413 10	10
Laborers	19	306	1 60	489 60	9.6
Machinist	1	303	2 50	757 50	10
Millwright	1	302	2 00	604 00	10
Piece workers	9	303	1 75	530 25	10
Scroll workers	3	309	2 50	772 50	9.2
Wire workers	2	200	1 50	300 00	9
MISCELLANEOUS—32 ESTABLISHMENTS.					
Acid makers	8	306	1 80	550 80	12
Apprentices	11	304	82	249 28	9.8
Artists	4	300	4 00	1,200 00	8
Assorters	3	300	2 00	600 00	9
Bench hands	2	309	1 25	386 25	9.5
Blacksmiths	4	170	2 63	447 10	10
Blacksmith's helper	1	310	1 75	542 50	10

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

MISCELLANEOUS—32 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Box makers	2	299	$1 60	$478 40	9
Buffers	12	303	2 13	645 39	10
Calendar hand	1	307	2 50	767 50	9
Cap maker	1	306	1 80	550 80	10
Carpenters	4	302	2 56	773 12	9
Core makers	2	303	2 08	630 24	10
Coaters	3	307	2 50	767 50	9
Collar makers	3	310	1 50	465 00	10
Cutters	4	300	1 64	492 00	9.5
Draymen	5	304	1 46	443 84	9.4
Electricians	14	306	2 43	743 58	9
Embosser	1	306	2 50	765 00	10
Engineers	5	304	2 38	728 28	10.5
Errand boy	1	300	50	150 00	10
Feather workers	2	313	1 75	547 75	9
Finishers	7	302	1 67	504 34	9.7
Firemen	2	303	1 38	414 14	9
Foremen	8	292	2 52	735 84	9.2
Furdresser	1	310	1 50	465 00	10
Granite letterers	4	300	2 25	675 00	10
Grinders	2	310	1 84	570 40	10
Hat workers	6	306	1 80	550 80	10
Helpers	19	305	1 12	341 60	9.1
Laborers	36	293	1 62	474 66	9.8
Laborers (boys)	3	292	67	195 64	10
Leather workers	13	306	1 54	471 24	10
Locksmiths	3	308	1 67	514 36	10
Machine hands	19	300	1 73	519 00	9.1
Machinists	44	304	2 11	641 44	10
Marble cutters	3	306	2 50	765 00	10
Mattress makers	15	313	1 70	532 10	9
Mechanics	3	300	1 60	480 00	9
Metal workers	87	306	2 19	670 14	10
Mill hands	68	306	1 50	459 00	10
Mixers	3	307	1 50	460 50	10
Molders	9	305	2 75	838 75	10
Oil boiler	1	307	3 00	921 00	9
Packers	11	303	1 46	442 38	9.9
Painters	17	305	1 94	591 70	10
Paste maker	1	300	1 70	510 00	10
Pattern makers	2	303	3 13	1,008 39	10
Platers	2	303	2 95	893 85	10
Polishers	3	306	1 91	584 46	10
Printer	1	307	2 50	767 50	9
Riveters	4	300	1 75	525 00	9
Rubbers	2	306	1 75	535 50	10
Sawyer	1	297	2 25	668 25	10
Seal maker	1	260	1 51	392 60	10
Sheet metal workers	4	303	1 72	521 16	10
Spring bed makers	7	313	1 55	485 15	9
Stock keeper	1	304	2 50	760 00	10
Stringers	2	309	1 00	309 00	9.5
Tailors	23	306	2 49	769 41	10
Teamsters	3	312	1 60	499 20	9.3
Tile setters	3	306	3 50	1,071 00	8
Tinner	1	290	1 75	507 50	10
Tool maker	1	303	3 50	1,060 50	10
Trunk makers	43	306	1 29	394 74	10
Varnishers	3	309	1 17	361 53	9.3
Watchmen	3	303	1 87	566 61	11.3
Wire workers	2	234	1 17	273 78	8
Wood workers	75	306	1 78	546 08	10
Yeastmaker	1	45	1 50	67 50	10

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
AWNINGS, TENTS AND FLAGS—4 ESTABLISHMENTS.					
Machine operators	6	213	$0 88	$187 44	9.5
Seamstresses	9	310	1 08	334 80	10
BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES— 1 ESTABLISHMENTS.					
Upholsterers	2	311	1 38	429 18	9.5
BILLIARD TABLES, BAR AND STORE FIXTURES—1 ESTABLISHMENT.					
Laborers	6	312	90	280 80	12
BOOTS AND SHOES—9 ESTABLISHMENTS.					
Cutters	121	306	1 39	425 34	9.8
Fitters	942	307	1 10	337 70	9.8
Packers	106	306	83	253 98	9.8
Shoe makers	20	200	1 00	200 00	10
Stitchers	50	309	1 04	321 36	9.3
Table hands	7	303	30	90 90	10
BOXES (PAPER)—2 ESTABLISHMENTS.					
Box makers	71	304	55	167 20	9.8
Gluers	3	307	85	260 95	10
Helpers	20	307	48	147 36	10
Machine hands	20	307	95	291 65	10
BOXES (WOODEN)—2 ESTABLISHMENTS.					
Box maker	1	300	1 00	300 00	10
Hingers	2	300	75	225 00	10
Pasters	12	300	75	225 00	10
BREAD AND OTHER BAKERY PRODUCTS—6 ESTABLISHMENTS.					
Candy makers	13	314	87	273 18	10
Icers	4	228	60	136 80	10
Laborers	5	363	77	279 51	10
Packers	54	292	76	221 92	10
Wrapper	1	228	80	182 40	10
BROOMS AND BRUSHES—1 ESTABLISHMENT.					
Laborers	3	300	75	225 00	10
CARRIAGES AND WAGONS—6 ESTABLISHMENTS.					
Machine hands	12	309	1 00	309 00	9
Trimmers	17	300	1 01	303 00	8.9
CARRIABE AND WAGON MATERIALS—2 ESTABLISHMENTS.					
Machine hands	16	250	1 00	250 00	10
Stitchers	25	250	1 00	250 00	9
CIGARS—12 ESTABLISHMENTS.					
Bunch breakers	23	275	1 04	286 00	8.5
Cigar makers	77	302	77	232 54	9
Packers	26	275	1 10	302 50	8.8
Rollers	40	278	1 01	280 78	8.3
Stogie maker	1	216	1 00	216 00	5
Strippers	31	279	64	178 56	7.8

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

CLOTHING—41 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Busheler	1	307	$1 33	$408 31	10
Finishers	3	305	1 00	305 00	10
Folders	3	289	95	274 55	9.6
Forewoman	1	276	1 50	421 00	9.5
Helpers	6	291	92	267 72	10
Inspectors	2	296	1 00	296 00	10
Machine hands	77	281	1 10	309 10	9
Pressers	2	296	1 00	296 00	10
Seamstresses	6	170	1 50	255 00	9.5
Skirt makers	40	300	1 27	381 00	9.6
Tailoresses	27	302	1 34	404 68	9.3
Trouser makers	71	285	1 47	417 55	9.7
Vest makers	53	287	1 52	436 24	9.6
COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.					
Packers	13	306	1 23	375 38	7.7
CONFECTIONERY—4 ESTABLISHMENTS.					
Chocolate dippers	62	306	71	462 06	9.9
Forewoman	3	306	1 50	459 00	10
Packers	23	307	61	187 27	10
Stock keepers	2	306	1 25	382 50	10
Wrappers	12	306	50	183 00	10
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—2 ESTABLISHMENTS.					
Folders	2	255	70	178 50	10
Seamstresses	41	255	88	224 40	9
Spinner	1	255	1 00	255 00	10
Spooler	1	255	67	170 85	10
Weavers	13	255	1 10	280 50	10
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—7 ESTABLISHMENTS.					
Advertisers	4	306	69	211 14	10
Clerks	3	306	1 35	413 10	10
Delivery hand	1	306	1 00	306 00	10
Labeler	1	300	1 00	300 00	10
Laboratory hands	8	306	67	205 02	10
Laborers	96	300	76	228 00	9.5
Optical hands	2	306	75	229 50	10
Orthopedic hand	1	306	1 00	306 00	10
Packers	3	158	50	79 00	10
Pill makers	6	306	84	197 04	10
Printers	19	303	99	299 97	9.6
Prescription hands	4	306	1 00	306 00	10
Shipping clerk	1	306	1 00	306 00	10
Wrapper	1	306	1 00	306 00	10
EXTRACTS, TOILET ARTICLES AND PERFUMERY—1 ESTABLISHMENT.					
Bottler	1	269	50	134 50	8
Laborer	1	269	50	134 50	8
FOUNDRY AND MACHINE SHOP PRODUCTS—3 ESTABLISHMENTS.					
Assorter	1	305	80	244 00	10
Core makers	3	300	1 50	450 00	9
Machine hands	3	305	1 00	305 10	10
Wrappers	2	305	80	244 00	10
FURNITURE— 2 ESTABLISHMENTS.					
Piano cover makers	25	306	80	244 80	10
Sewers	8	250	1 25	312 50	10

TABLE IV*b*—MANUFACTURES—COLUMBUS—Continued.

FURS—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Finishers	5	300	$1 50	$450 00	9
Liners	3	300	1 50	450 00	9
Milliners	2	300	2 00	600 00	9
Operator	1	300	2 00	600 00	9
Sewers	11	268	1 16	310 88	9
GLASS AND GLASSWARE—3 ESTABLISHMENTS.					
Designer	1	308	3 00	924 00	8
Laborers	90	294	81	238 14	9.8
GLOVES AND MITTENS— 3 ESTABLISHMENTS.					
Forewoman	1	201	1 50	301 50	9.2
Glove makers	30	201	1 20	241 20	9.2
Inspectors	2	302	1 00	302 00	9.5
Machine hands	32	301	1 00	301 00	9.3
HARNESS AND SADDLERY—2 ESTABLISHMENTS.					
Laborers	25	295	1 00	295 00	10
Machine hands	10	300	74	222 00	10
Sewers	2	300	70	210 00	10
Stringer	1	300	50	150 00	10
HATS, CAPS AND FURNISHINGS—5 ESTABLISHMENTS.					
Cap makers	5	275	1 00	275 00	9.5
Forewoman	1	312	1 25	390 00	9
Hat makers	4	187	1 13	211 20	9
Milliners	50	265	1 00	265 00	9
Seamstresses	25	260	1 07	278 20	8.3
JEWELRY AND WATCHES—1 ESTABLISHMENT.					
Jewelers	3	190	1 00	290 00	9
LIGHTING APPARATUSES—4 ESTABLISHMENTS.					
Blowers	2	52	84	43 68	10
Cleaners	12	290	83	66 70	10
Forewoman	1	52	1 67	86 84	10
Japanners	4	290	1 00	290 00	10
Mantel makers	48	188	89	167 32	9.6
Solderers	10	290	83	240 70	10
Trimmers	2	52	84	43 68	10
LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—2 ESTABLISHMENTS.					
Artist	1	307	1 17	359 19	8.5
Padder	1	308	1 50	462 00	9
Perforater	1	308	1 12	344 96	9
PAINTS AND VARNISHES—2 ESTABLISHMENTS.					
Labelers	4	303	77	233 31	9.2
PRINTING AND BINDING—21 ESTABLISHMENTS.					
Binders	52	308	91	280 28	9.1
Compositors	5	304	1 50	456 00	9.5
Copy holder	1	306	1 50	459 00	9.5
Feeders	23	307	82	251 74	9.4
Folders	48	306	99	302 94	9.3
Laborers	4	310	75	232 50	9
Linotype operator	1	302	3 00	906 00	8
Machine hands	5	308	95	292 60	9
Sewers	2	306	1 50	459 00	9.5
Solicitor	1	309	1 50	463 50	9

TABLE IV*b*—MANUFACTURES—COLUMBUS—Concluded.

RUGS AND CARPET CLEANING—4 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Clippers	2	306	$0 60	$183 60	10
Cleaner	1	313	1 00	313 00	10
Fringers	2	306	75	229 50	10
Sewers	21	301	78	234 78	9.8
SOAP, CANDLES AND TALLOW—2 ESTABLISHMENTS.					
Laborer	1	310	75	232 50	10
Wrappers	3	310	1 00	310 00	9
STARCH—2 ESTABLISHMENTS.					
Laborers	5	300	75	225 00	10
Packers	7	153	1 00	153 00	9
STOVES, RANGES AND FURNACES—2 ESTABLISHMENTS.					
Asbestos fitters	4	253	83	209 99	10
Laborers	3	310	1 25	387 50	9
TRUNKS AND VALISES— 1 ESTABLISHMENT.					
Liners	3	300	1 20	360 00	10
MISCELLANEOUS—10 ESTABLISHMENTS.					
Cap makers	37	306	94	287 64	10
Casket makers	10	299	1 25	373 75	9
Cutters	5	286	1 00	286 00	8.8
Embossers	5	306	68	208 08	10
Embroidery hands	73	306	1 20	367 20	10
Feather worker	1	313	1 25	391 25	9
Forewoman	1	299	2 25	672 75	9
Hat makers	3	306	1 01	309 06	10
Hem turners	2	300	50	150 00	10
Laborers	5	292	63	183 96	9.6
Leather workers	6	306	77	235 62	10
Liners	4	300	60	180 00	9
Machine hands	8	247	92	227 24	9
Mattress makers	6	313	1 00	313 00	9
Polishers	12	306	75	229 50	10
Robe and lining makers	5	299	1 25	373 75	9
Seamstresses	130	306	1 23	376 38	10
Shade mounters	3	300	1 00	300 00	9
Tailoresses	89	306	1 04	318 24	10
Trunk makers	18	306	79	241 83	10
Wrappers	2	45	50	22 50	10

TABLE IV*bb*—MANUFACTURES—COLUMBUS.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Awnings, tents and flags	Awning maker	1	25	.....
"	Cutter	1	25	.....
Boilers, engines and tanks	Drill press hands	2	12.5	.....
"	Engineer	1	12.5	.....
"	Lathe hands	4	12.5	.....
"	Machinists	3	10	.....
"	Machinists' helpers	3	10	.....
"	Pattern maker	1	7	.....
"	Planer hand	1	12.5	.....
Boots and shoes	Bottomers	415	2	.....
"	Cutters	135	2	.....
"	Lasters	227	2	.....
"	Stock fitters	110	2	.....
Boxes (paper)	Compositor	1	5	.....
"	Cutters	3	5	.....
"	Die maker	1	5	.....
"	Driver	1	5	.....
"	Engineer	1	5	.....
"	Laborers	2	5	.....
"	Packers	10	5	.....
"	Press feeders	6	5	.....
"	Scorers	2	5	.....
"	Shipping clerks	3	5	.....
Bread and other bakery products	Bakers	44	11.7	.....
" "	Candy makers	6	12.5	.....
" "	Hostler	1	9	.....
Brick and tile	Finishers	3	10	.....
"	Laborers	14	10	.....
"	Setter	1	10	.....
Carriages and wagons	Blacksmiths	74	3.9	.....
"	Laborers	33	3.4	.....
"	Painters	26	7.1	.....
"	Trimmers	15	5.3	.....
"	Wood workers	63	6	.....
"	Wood workers	6	.....	5
Carriage and wagon materials	Bench hands	45	10.1	.....
" "	Blacksmiths	25	4.7	.....
" "	Dash makers	25	7.1	.....
" "	Hammermen	10	10	.....
" "	Machine hands	60	10	.....
Cigars	Apprentice	1	10	.....
"	Bunch breaker	1	20	.....
"	Cigar makers	15	19.1	.....
"	Rollers	6	20	.....
"	Strippers	3	16.7	.....
Clothing	Coat makers	62	8	.....
"	Cutters	2	5	.....
"	Jacket makers	3	5	.....
"	Machine hand	1	15	.....
"	Porter	1	5	.....
"	Shipping clerk	1	5	.....
"	Shirt makers	2	5	.....
"	Stock hands	2	5	.....
"	Tailors	5	20	.....
"	Trimmer	1	5	.....
Coffee, baking powdor and spices	Engineer	1	10	.....
" "	Foremen	2	10	.....
" "	Packers	20	11	.....
Copper and brass goods	Furnace tender	1	33.3	.....
"	Pattern maker	1	33.3	.....
Dairy products	Butterine maker	40	4	.....
"	Checkman	1	16.7	.....
"	Drivers	5	16.	.....
"	Ice cream makers	2	16.7	.....
"	Packers	3	16.7	.....
Drugs, chemicals and druggists' sundries	Laborer	1	65	.....
Foundry and machine shop products	Chain makers	63	5	.....
" "	Core makers	1	5	.....
" "	Heaters (boys)	12	5	.....
" "	Helpers	8	5	.....
" "	Inspectors	7	5	.....
" "	Link winders	22	5	.....
" "	Machinists	5	10	.....
" "	Molders	35	5	.....

TABLE IV*bb*—MANUFACTURES—COLUMBUS—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Furs	Cutters	2	10	.....
"	Nailer	1	10	.....
"	Porter	1	15	.....
Glass and glassware	Machinists	10	8	.....
Hats, caps and furnishings	Apprentice	1	25	.....
" "	Cutter	1	12.5	.....
Ice (artificial)	Firemen	3	6.7	.....
"	Laborers	14	9.4	.....
Iron (structural and architectural)	Bridge workers	28	3.5	.....
" "	Laborers	38	3.5	.....
" "	Mechanics	3	9.5	.....
" "	Stock hand	1	4.4	.....
Jewelry and watches	Polisher	1	10	.....
"	Repairer	1	10	.....
Leather and leather goods	Laborers	10	10	.....
Lime, sand, cement and plaster	Coal shovelers	2	2	.....
" "	Laborers	10	10	.....
" "	Yard hand	1	5	.....
Liquors (malt)	Bottlers	7	6	.....
"	Brewers	16	6	.....
"	Cellar hands	55	6.9	.....
"	Coopers	4	7	.....
"	Drivers	37	8.7	.....
"	Engineers	10	5	.....
"	Firemen	6	5	.....
"	Helpers	4	5	.....
"	Malt house hands	4	6	.....
"	Wash house hands	32	7	.....
Lithographing, engraving and electrotyping	Apprentices	6	28.2	.....
" "	Artists	7	27.6	.....
" "	Editors	2	2	.....
" "	Etchers	5	31	.....
" "	Etcher	1	.....	10
" "	Finishers	5	23.2	....
" "	Machinists	2	11.1	.....
" "	Photographers	8	53	.....
" "	Proof readers	2	.....	20
" "	Proof reader	1	20	.....
" "	Router	1	20	.....
" "	Shipping clerk	1	.....	20
" "	Truckman	1	5	.....
Machinery	Carpenters	3	3	.....
"	Driver	1	10	.....
"	Electricians	2	12.5	.....
"	Erectors	10	.....	4.3
"	Helper	1	20	.....
"	Iron workers	6	27	.....
"	Laborers	5	10	.....
"	Machinists	45	6.8	.....
"	Pattern maker	1	10	.....
"	Teamster	1	3.5	.....
Printing and binding	Compositors	25	7.8	.....
"	Engineer	1	20	.....
"	Feeders	6	6.7	.....
"	Laborers	6	10	.....
"	Pressmen	3	8.6	.....
Sash, doors, lumber and interior finish	Engineer	1	10	.....
" "	Foremen	2	10	.....
" "	Laborers	16	10.6	.....
" "	Machine hands	3	10	.....
" "	Teamsters	10	7	.....
" "	Yard hands	2	10	.....
Soap, candles and tallow	Engineer	1	25	.....
"	Laborers	4	23.2	.....
Stoves, ranges and furnaces	Mounters	8	5	.....
" "	Tinners	16	5	.....
Tinware, sheet-iron and galvanized ironware	Beaders	5	16.7	.....
" "	Foundry hands	16	3	.....
" "	Laborers	59	5.5	.....
" "	Machinists	7	6	.....
" "	Packers	2	2	.....

TABLE IV*bb*—MANUFACTURES—COLUMBUS—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Tinware sheet-iron and galvanized ironware	Pattern makers	2	10	.....
" "	Pressmen	17	2	.....
" "	Shipping clerk	1	16.7	.....
" "	Steel workers	15	2	.....
" "	Tinners	4	12.5	.....
Tools	Apprentices	2	60	.....
Trunks and valises	Trunk makers	24	10	.....
Wire rods, wire cloth and wire goods	Annealer	1	10	.....
" "	Insulators	2	10	.....
" "	Machinist	1	25	.....
" "	Millwright	1	10	.....
" "	Wire drawers	2	20	.....
Miscellaneous	Bench hands	2	9.5	.....
"	Carpenters	3	10	.....
"	Coaters	3	12.5	.....
"	Cutters	2	10	.....
"	Electricians	14	23	.....
"	Engineer	1	25	.....
"	Foreman	1	10	.....
"	Granite letterers	4	25	.....
"	Helper	1	9.5	.....
"	Laborers	13	16.2	.....
"	Machine hands	2	9.5	.....
"	Mixers	3	10	.....
"	Oil boiler	1	50	.....
"	Packer	1	16.7	.....
"	Paste maker	1	10	.....
"	Piano stringers	2	9.5	.....
"	Printer	1	25	.....
"	Riveters	4	10	.....
"	Tinner	1	10	.....
"	Trimmer	1	12.5	.....
"	Varnishers	3	9.7	.....
"	Watchman	1	20	.....
Totals and averages		2,451	6.1	.....
		20	.....	7.1

TABLE IV*bb*—MANUFACTURES—COLUMBUS—Concluded.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employes.	Advanced employes.	Reduced per cent.
Awnings, tents and flags	Seamstresses	3	15	.....
Boots and shoes	Cutters	77	2	.....
"	Fitters	615	2	.....
"	Packers	15	2	.....
Boxes (paper)	Box makers	57	5	.....
"	Gluers	3	5	.....
"	Helpers	20	5	.....
"	Machine hands	20	5	.....
Bread and other bakery products	Candy makers	9	12.5	.....
" "	Dish washer	1	20	.....
" "	Helpers	4	15	.....
Carriages and wagons	Trimmer	1	5	.....
Carriage and wagon materials	Dash stitchers	25	10	.....
Cigars	Bunch breakers	8	20	.....
"	Packers	2	10	.....
"	Rollers	19	20	.....
"	Strippers	12	25	.....
Clothing	Fore lady	1	10	.....
"	Machine hands	57	7	.....
"	Pant makers	29	8.9	.....
"	Shirt makers	22	1.4	.....
"	Tailoresses	9	10	.....
"	Vest makers	16	8.8	.....
"	Wrapper	1	10	.....
Furs	Laborers	4	10	.....
"	Seamstresses	7	10	.....
"	Trimmers	2	10	.....
Hats, caps and furnishings	Milliners	50	10	.....
Lithographing, engraving and electrotyping	Artist	1	75	.....
Printing and binding	Binders	4	7	.....
"	Compositors	2	5	.....
"	Laborers	4	10	.....
"	Machine hands	5	6	.....
Trunks and valises	Trunk liners	3	10	.....
Miscellaneous	Liners	4	10	.....
Totals and averages		1,090	4.6	.....

TABLE IVc—MANUFACTURES—CINCINNATI.

ADVERTISING NOVELTIES AND SIGNS—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers	2	304	$2 88	$875 52	9.5
Glass workers	15	300	1 60	480 00	10
Novelty makers	11	308	1 25	385 00	9.3
Packers	4	308	1 50	462 00	9.3
Printers	35	308	1 75	539 00	9.3
Sign makers	10	300	1 60	480 00	10
Watchman	1	308	1 50	462 00	9.3

AWNINGS, TENTS AND FLAGS—7 ESTABLISHMENTS.

Awning hangers	8	286	1 81	517 66	10
Awning makers	2	306	1 50	459 00	10
Blacksmiths	1	308	2 25	693 00	10
Blacksmith's helper	1	308	2 00	616 00	10
Carpenter	1	360	2 00	720 00	10
Collector	1	308	1 60	492 80	10
Compositors	12	360	3 00	1,080 00	10
Cutters	4	348	2 38	828 24	10
Cutters' helper	1	312	2 00	624 00	10
Drivers	11	308	1 66	511 28	10
Engineer	1	360	2 75	990 00	10
Feeders	6	360	2 00	720 00	10
Finishers	8	302	1 56	471 12	10
Fireman	1	360	1 67	601 20	10
Flag workers	2	360	3 00	1,080 00	10
Foreman	1	308	2 50	770 00	10
Helper	1	232	1 25	270 00	10
Laborers	3	300	1 75	525 00	10
Mill-wright	1	360	2 50	900 00	10
Packers	3	360	2 50	900 00	10
Porters	3	360	1 16	417 60	10
Pressmen	6	360	3 00	1,080 00	10
Ropers	3	232	2 50	580 00	10
Sewers	3	303	1 83	554 49	10
Wood workers	5	312	2 00	624 00	10

BAGS (PAPER AND BURLAP)—5 ESTABLISHMENTS.

Bag makers	4	289	1 25	361 25	10
Box makers	3	289	1 65	476 85	10
Compositors	36	304	1 36	413 44	9.9
Driver	1	313	1 50	469 50	9
Engineers	2	312	2 58	804 96	9.5
Engravers	1	312	2 67	833 04	10
Finishers	2	310	1 50	465 00	10
Foremen	2	313	2 12	663 56	9
Laborers (boys)	8	310	50	155 00	10
Machine hands	4	310	2 00	620 00	10
Porter	1	313	1 50	469 50	9
Pressmen	8	310	1 76	545 60	9.7
Sack makers	13	312	1 44	449 28	10
Wrappers	2	310	2 00	620 00	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—2 ESTABLISHMENTS.

Machinists	6	308	2 12	652 96	10
Machinists' helper	1	313	1 50	469 50	10

BILLIARD TABLES, BAR AND STORE FIXTURES—11 ESTABLISHMENTS.

Blacksmith	1	300	2 50	750 00	9
Cabinet makers	156	305	2 25	686 25	9.3
Carpenters	40	308	2 25	693 00	9
Carvers	3	309	2 17	670 53	9
Casing cleaners	16	302	1 94	585 88	9
Drivers	10	305	1 78	542 90	9.5

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

BILLIARD TABLES, BAR AND STORE FIXTURES—11 ESTABLISHMENTS. Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers	7	305	$2 47	$753 35	9.4
Errand boy	1	310	65	201 50	10
Filler	1	310	1 25	387 50	10
Finishers	20	301	1 73	520 73	9.6
Fireman	1	300	1 75	525 00	10
Foremen	3	300	1 75	525 00	10
Frizzers	2	310	2 00	620 00	9.8
Glaziers	5	302	1 88	567 76	10
Laborers	14	304	1 42	431 68	9.5
Machine hands	35	305	2 27	692 35	9.2
Machinists	33	307	2 06	632 42	9.1
Packers	13	306	1 62	495 72	9.5
Rubbers	6	310	1 54	477 40	9.8
Sawyers	5	310	1 67	517 70	9.8
Show case makers	8	300	2 00	600 00	10
Slate driller	1	310	1 75	542 50	10
Tinners	2	304	2 44	741 76	9
Tinners' helpers	2	308	1 00	308 00	9
Turner	1	310	2 00	620 00	9.8
Up-fitters	8	306	1 81	553 86	9.9
Varnishers	28	308	1 87	575 96	9.3
BOILERS, ENGINES AND TANKS—8 ESTABLISHMENTS.					
Apprentices	9	305	57	173 85	9.4
Blacksmiths	8	305	2 73	832 65	9.6
Blacksmiths' helpers	3	305	1 60	488 00	9.2
Boiler makers	42	300	2 69	807 00	9.8
Boiler makers' helpers	16	311	2 00	622 00	10
Carpenters	2	306	2 20	673 20	9.6
Coppersmith	1	305	2 17	661 85	9.2
Draughtsmen	3	304	4 17	1,267 68	8
Drill press hands	3	306	1 75	535 50	10
Driver	1	311	1 50	466 50	10
Engineers	4	306	2 57	786 42	9.5
Errand boys	2	305	64	195 20	9.2
Foremen	3	305	4 21	1,284 05	9.7
Helpers	52	302	1 63	492 26	9
Hostler	1	305	1 70	518 50	9.2
Iron workers	35	303	2 16	654 48	9.3
Laborers	55	304	1 47	446 88	9.8
Laborers (boys)	2	257	1 00	257 00	9
Lathe hands	8	306	2 15	657 90	10
Machinists	62	305	2 39	728 95	9.5
Molders	4	305	1 86	567 30	9.2
Molders' helpers	2	305	1 60	488 00	9.2
Nickel plater	1	305	3 06	933 30	9.2
Painter	1	306	2 25	688 50	10
Pattern makers	4	304	2 83	860 32	9.8
Pipe fitters	3	305	2 38	725 90	9.2
Pipe fitters' helpers	4	305	1 28	390 40	9.2
Planer	1	306	2 50	765 00	10
Polishers	4	305	2 20	671 00	9.2
Riveters	30	304	1 92	583 68	10
Rivet heaters	8	304	98	297 92	10
Stock keepers	2	305	1 38	420 90	9.2
Time keepers	2	305	1 74	530 70	9.2
Vise hands	8	306	2 11	645 66	10
Watchman	1	304	1 66	504 64	10
BOOTS AND SHOES—27 ESTABLISHMENTS.					
Apprentices	6	300	60	180 00	9.5
Bottomers	985	276	1 91	527 16	9.9
Bottomers (boys)	50	280	90	252 00	10
Crimpers	2	295	2 00	590 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

BOOTS AND SHOES—27 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cutters	816	279	$1 94	$541 26	9.9
Cutters' helpers	102	247	93	229 71	10
Edge setter	1	220	2 25	495 00	10
Engineers	4	290	2 79	809 10	10
Finishers	419	276	1 89	521 64	9.9
Finishers (boys)	67	281	93	261 33	10
Fitters	7	299	2 03	606 97	9.8
Fitters (boys)	16	292	1 00	292 00	10
Foremen	8	274	3 07	841 18	10
Heelers	5	226	2 10	474 60	10
Helpers	74	294	73	214 62	10
Laborers	30	275	1 50	412 50	10
Laborers (boys)	7	223	1 00	223 00	10
Lasters	776	278	1 99	555 21	9.9
Lasters (boys)	100	261	1 00	261 00	9.8
Left cutters	5	300	75	225 00	10
Mckay hands	68	284	2 23	633 32	10
Operators	8	295	3 00	885 00	10
Outsiders	6	300	1 00	300 00	10
Packers	63	273	1 74	475 02	9.8
Packers (boys)	1	278	75	208 50	10
Pattern makers	15	277	1 57	434 89	10
Shipping clerks	3	295	2 00	590 00	10
Shoe makers	14	299	1 43	427 57	10
Sole leather hands	29	275	1 61	442 75	10
Sorters	2	300	2 25	675 00	9
Stitchers	13	222	3 12	692 64	9.5
Stitchers (boys)	2	296	80	236 80	9.5
Stock hands	287	279	1 88	524 52	9.9
Stamper	1	295	75	221 25	10
Treers	22	296	2 09	618 64	9.9
Trimmers	7	229	1 96	448 84	10
Turners	5	312	1 68	524 16	10
Watchmen	2	280	2 00	560 00	10
Welts and turners	74	267	2 79	744 93	10
BOXES (PAPER)—7 ESTABLISHMENTS.					
Box makers	10	295	1 30	383 50	10
Compositor	1	310	2 00	620 00	10
Cutters	19	307	1 87	574 09	10
Cutters (boys)	6	305	1 08	329 40	10
Drivers	2	305	1 46	445 30	10
Ender	1	310	1 00	310 00	10
Foreman	1	300	2 00	600 00	10
Gluers	5	306	1 48	452 88	10
Glue makers	2	300	1 00	300 00	10
Helpers	14	315	90	283 50	10
Laborers (boys)	3	287	50	143 50	10
Machine hands	2	275	1 25	343 75	10
Packer	1	300	75	225 00	10
Porter	1	310	1 50	465 00	10
Press feeders	3	310	1 00	310 00	10
Scorers	4	308	1 50	462 00	10
Shipping clerks	4	309	1 38	426 42	10
Tube rollers	2	315	1 25	393 75	10
BOXES (WOODEN)—11 ESTABLISHMENTS.					
Box makers	15	300	1 67	501 00	10
Cutter	1	300	1 83	549 00	9
Drivers	14	283	1 50	424 50	10
Elevator hand	1	308	1 50	462 00	10
Engineers	6	290	2 42	701 80	10
Filers	3	275	2 20	605 00	10
Finisher	1	300	1 66	498 00	9
Foremen	2	303	3 17	960 51	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

BOXES (WOODEN)—11 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Helpers	12	289	$0 92	$265 88	10
Hingers	4	284	50	142 00	9.2
Laborers	54	296	1 37	405 52	10
Laborers (boys)	36	292	76	221 92	10
Machine hands	10	296	2 05	606 80	10
Mechanics	32	300	1 50	450 00	10
Nailers	53	285	1 60	456 00	10
Nailers (boys)	7	298	55	163 90	10
Planers	5	276	1 50	414 00	10
Printers	5	284	1 35	383 40	9.6
Printers (boys)	2	284	50	142 00	10
Sawyers	57	288	1 74	501 12	9.9
Sorters	2	300	66	198 00	9
Veneerers	3	308	1 66	511 28	10
Watchmen	2	303	1 58	478 74	10
BREAD AND OTHER BAKERY PRODUCTS—26 ESTABLISHMENTS.					
Bakers	217	304	1 98	601 92	10.2
Bakers (boys)	3	304	1 00	304 00	10
Benchmen	42	310	2 00	620 00	9
Box maker	1	307	1 08	331 56	10
Candy makers	2	307	3 25	997 75	9
Clerks	48	307	1 25	383 75	10
Coffee roasters	2	307	2 00	614 00	8
Coopers	3	310	1 67	517 70	10
Drivers	117	296	2 06	609 76	10
Elevator hands	2	309	1 34	414 06	10
Engineers	7	280	2 51	702 80	10.6
Firemen	6	306	1 63	498 78	10
Foremen	74	307	2 42	742 94	10
Helpers	83	305	1 09	332 45	9.8
Hostlers	6	307	1 66	509 62	12
Ice cream makers	6	365	1 70	620 50	10
Janitor	1	307	1 00	307 00	8
Laborers	27	308	1 34	412 72	9.1
Laborers (boys)	15	312	1 00	412 00	10
Machine hands	3	310	2 00	260 00	10
Millers	3	214	2 50	535 00	12
Mixers	16	306	2 18	667 08	9.8
Oven tenders	6	310	2 25	697 50	9.5
Oven tenders' assistants	2	311	1 00	311 00	10
Peelers	3	310	2 11	654 10	10
Porters	25	308	1 50	462 00	10
Preserve maker	1	307	2 50	767 50	9
Roller hands	2	311	1 75	544 25	10
Watchmen	2	309	1 58	488 22	11
BRICK AND TILE—9 ESTABLISHMENTS.					
Brick makers	40	125	1 55	193 75	9
Burners	13	185	2 19	405 15	10
Dumpers	4	175	1 38	241 50	9.5
Engineers	4	175	2 19	383 25	9.5
Fireman	1	200	1 60	320 00	10
Foreman	1	100	3 00	300 00	8
Laborers	17	176	1 39	244 64	10
Laborers (boys)	1	160	50	80 00	10
Loaders	24	200	1 69	338 00	10
Machine hands	10	155	1 50	232 50	10
Miners	2	100	1 60	160 00	8
Molders	5	154	3 00	462 00	10
Mosaic workers	7	300	2 50	750 00	10
Off bearers	12	173	1 83	316 59	9.8
Pallet boy	1	100	1 00	100 00	8
Pit fillers	5	154	2 60	400 40	10
Puggers	2	200	1 10	220 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

BRICK AND TILE—9 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Rubbers	8	300	$1 50	$450 00	10
Sanders	2	100	1 63	163 00	8
Setters	21	180	1 94	349 20	10
Steam shovel hands	5	200	1 50	300 00	10
Teamsters	13	162	1 62	262 44	10
Temperers	2	150	2 00	300 00	10
Tile makers	8	276	1 50	414 00	10
Top hands	2	100	1 50	150 00	8
Truckers	4	100	1 75	175 00	8
Wheelers	8	134	2 22	297 48	9.3
BROOMS AND BRUSHES—9 ESTABLISHMENTS.					
Broom makers	13	298	2 65	789 60	9.2
Brush makers	20	294	1 52	446 88	9.3
Brush makers (boys)	35	308	1 00	308 00	10
Bunchers	2	293	1 50	439 50	9
Driver	1	295	2 15	634 25	10
Mop maker	1	300	2 00	600 00	9
Sewers	2	293	1 98	580 14	8.5
Sizers	1	295	1 20	354 00	8
Sizers (boys)	2	290	65	188 50	9
Sorters	8	296	1 54	455 84	9.7
Tyers	5	290	2 00	580 00	9
Wire goods makers	22	308	1 25	385 00	10
BUNGS—3 ESTABLISHMENTS.					
Bung maker	1	308	2 25	693 00	9
Coopers	5	306	1 50	459 00	9
Drivers	2	306	2 00	612 00	9
Elevator hands	16	306	1 50	459 00	9
Engineer	1	306	2 00	612 00	9
Foremen	7	306	3 65	1,116 90	9
Inspectors	3	306	2 90	887 40	9
Laborers	16	306	1 35	413 10	9
Laborers (boys)	17	302	91	274 82	9.8
Machine hands	31	305	1 45	442 25	9.2
Machine hands' helpers	25	306	1 10	336 60	9
Machinists	4	306	2 55	780 30	9
Saw filer	1	306	2 15	657 90	9
Sorters	25	306	80	244 80	9
CARRIAGES AND WAGONS—51 ESTABLISHMENTS.					
Assembler	1	300	2 75	825 00	8
Bench hands	50	280	2 00	560 00	10
Blacksmiths	348	265	2 26	598 90	9.3
Blacksmiths' helpers	27	303	1 57	475 71	9.6
Boxers	11	239	1 60	382 40	9.5
Craters	45	283	1 70	481 10	9.7
Cushion makers	4	290	1 88	545 20	9.7
Cutter	1	300	2 50	750 00	8
Drivers	7	285	1 69	481 65	9.3
Elevator hand	1	290	1 65	478 50	9.7
Engineers	3	231	2 30	531 30	9.7
Finishers	3	247	1 92	474 24	8.3
Finishers (boys	2	290	1 00	290 00	9.7
Foremen	17	298	3 47	1,034 06	8.8
Gear hands	10	277	2 10	581 70	9.7
Helpers	50	302	1 62	489 24	9.9
Horse shoer	1	289	3 00	867 00	9
Hostlers	2	221	1 50	331 50	9.5
Laborers	78	288	1 66	478 08	9.2
Laborers (boys)	15	287	80	229 60	10
Machine hands	57	321	2 25	722 25	10
Mounters	29	285	2 23	635 55	8.9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

CARRIAGES AND WAGONS—51 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Packers	25	261	$1 62	$422 82	10
Painters	626	270	2 20	594 00	9.4
Porters	4	288	1 23	354 24	9.5
Shipping clerks	2	285	1 25	356 25	7
Trimmers	394	274	2 44	668 56	9.3
Wagon maker	1	300	2 25	675 00	9
Ware room hands	98	272	1 73	470 56	9.4
Watchmen	2	295	1 63	480 85	9.9
Wood workers	153	292	2 29	668 68	9.6
CARRIAGE AND WAGON MATERIALS—16 ESTABLISHMENTS.					
Blacksmiths	11	293	2 20	644 60	9.5
Body makers	31	294	2 00	588 00	10
Buffers	7	300	2 00	600 00	9.4
Cutter	1	300	1 50	450 00	9
Drivers	2	300	1 75	525 00	10
Engineers	4	301	2 62	788 62	10
Finishers	10	295	2 15	634 25	10
Fitters	22	295	2 00	590 00	10
Foremen	2	297	4 00	1,188 00	10
Forgers	20	295	2 00	580 00	10
Glass bevelers	11	296	1 77	523 92	9.1
Grinders	10	295	2 25	663 75	8
Helpers	4	300	1 00	300 00	10
Japanner	1	300	2 50	750 00	9
Laborers	72	298	1 52	452 96	10
Laborers (boys)	13	299	88	263 12	10
Lamp makers	17	284	2 00	568 00	9.4
Machine hands	167	299	1 95	583 05	10
Machinists	2	295	2 30	678 50	10
Packers	2	300	2 00	600 00	10
Painters	4	288	2 00	576 00	10
Platers	3	286	2 50	715 00	9.7
Pole makers	9	283	2 75	778 25	10
Polishers	2	299	2 00	598 00	10
Porter	1	275	1 50	412 50	10
Press hands	4	300	1 50	450 00	9
Rattan workers	2	300	2 00	600 00	10
Shaft bolters	5	300	2 00	600 00	10
Shaft makers	4	275	2 50	687 50	10
Shearmen	4	295	1 70	501 50	10
Spinner	1	260	2 00	520 00	10
Trimmers	7	300	1 96	588 00	9.7
Trimmers' helpers	4	300	75	225 00	9
Turner	1	275	2 25	618 75	10
Wood workers	119	300	2 36	708 00	10
CIGARS—56 ESTABLISHMENTS.					
Bunch breakers	123	296	1 50	44 00	8.6
Carpenter	1	303	2 00	606 00	10
Caser	5	302	1 40	422 80	9.8
Cigar makers	329	294	1 96	576 24	8.2
Cigar makers (boys)	19	274	96	263 04	8
Elevator hand	1	303	1 50	454 50	10
Engineer	1	303	3 00	909 00	10
Fillermen	8	300	1 75	525 00	8
Fireman	1	303	1 50	454 50	10
Foremen	10	303	2 58	781 74	10
Laborers	35	302	1 30	392 60	9.7
Machinists	2	303	2 50	757 50	10
Packers	109	297	2 50	742 50	8.4
Packers (boys)	1	300	85	255 00	8
Rollers	236	300	1 69	507 00	8.3
Shipper	1	303	2 00	606 00	10
Stogie makers	7	284	2 00	568 00	9.3
Strippers	85	294	68	199 92	8.4
Watchman	1	303	2 00	606 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

CLOTHING—178 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice	1	306	$0 58	$177 48	10
Bushelmen	30	300	2 23	669 00	9.3
Cleaners	2	300	2 25	675 00	10
Coat makers	316	302	2 66	803 32	9.2
Cutters	639	298	2 96	882 08	8.9
Cutters' helpers	3	227	1 67	379 09	9
Designer	1	312	9 00	2,808 00	9
Drivers	2	303	1 25	378 75	9.5
Elevator hands	5	305	98	298 90	9.2
Engineers	4	308	2 50	770 00	9.9
Errand boys	14	303	61	184 83	9.2
Examiners	15	304	2 19	665 76	8.9
Fitters	17	305	1 13	344 65	9.3
Foremen	14	302	4 04	1,220 08	9
Helpers	51	289	92	265 88	9
Laborers	20	299	1 65	493 35	9
Machine operators	207	302	2 41	727 82	9.3
Packers	12	305	1 94	591 70	9.2
Packers (boys)	2	278	80	222 40	8
Pant makers	143	298	2 27	676 46	9.1
Porters	20	308	1 83	563 64	9.1
Pressers	116	299	1 95	583 05	9.2
Pressers (boys)	5	306	1 00	306 00	10
Receivers	3	307	2 75	842 25	9.5
Shipping clerks	2	291	1 63	474 33	9
Spinner	1	308	2 00	616 00	9
Sponger	1	308	83	255 64	8.5
Stock keepers	90	304	2 07	629 28	8.9
Tailors	1,073	295	2 58	761 10	9.1
Trimmers	85	296	2 27	671 92	9
Trimmers' helpers	2	275	75	206 25	9
Vest makers	72	295	2 20	649 00	8.7
Watchman	1	305	1 28	390 40	12
Weaver	1	308	2 00	616 00	9
COFFEE, BAKING POWDER AND SPICES—8 ESTABLISHMENTS.					
Baking powder makers	2	306	2 25	688 50	9
Drivers	6	310	1 56	483 60	9.2
Engineers	2	308	2 75	847 00	9.5
Foremen	3	308	2 72	837 76	9.3
Laborers	16	307	1 44	442 08	9.7
Packers	15	309	1 36	420 24	9.8
Porters	7	309	1 51	466 59	9
Printers	4	308	1 25	385 00	9
Roasters	10	309	1 98	611 82	9.2
Spice grinder	1	310	2 00	620 00	9
COFFINS AND BURIAL CASES—4 ESTABLISHMENTS.					
Blacksmiths	9	317	2 55	808 35	9.5
Box makers	3	317	1 55	491 35	9.5
Buffers	21	317	2 00	634 00	9.5
Cabinet makers	2	260	1 50	390 00	8
Carpenters	2	309	2 65	818 85	9.8
Carvers	5	317	2 12	672 04	9.5
Cloth workers	29	300	1 75	525 00	9
Coffin makers	4	300	1 75	525 00	9
Elevator hands	3	317	1 10	348 70	9.5
Engineers	7	302	2 11	637 22	9.9
Fireman	1	317	1 75	554 75	9.5
Grinders and polishers	3	317	2 15	681 55	9.5
Helpers	14	317	80	253 60	9.5
Janitor	1	317	1 50	475 50	9.5
Laborers	22	306	1 60	489 60	9.8
Machine hands	3	317	2 10	665 70	9.5

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

COFFINS AND BURIAL CASES—4 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machinists	8	304	$1 78	$541 12	9.9
Metal workers	221	302	1 44	434 88	9.1
Mold and die makers	6	306	2 90	887 40	9.7
Molders	5	317	2 40	760 80	9.5
Mounters	12	317	1 50	475 50	9.5
Packers	2	317	1 83	580 11	9.5
Painters	37	309	1 95	602 55	8.5
Pipe fitter	1	317	2 25	713 25	9.5
Platers	12	317	1 80	570 60	9.5
Teamsters	2	317	2 25	713 25	9.3
Tinners	2	317	2 10	665 70	9.5
Trimmers	3	317	2 30	729 10	9.5
Varnishers	2	260	1 00	260 00	8
Watchmen	5	310	1 66	514 60	9.7
Wood workers	91	302	1 84	555 68	8.2
CONFECTIONERY—13 ESTABLISHMENTS					
Bakers	3	333	1 50	498 50	10
Candy makers	80	299	2 04	609 96	9.8
Candy makers' helpers	9	280	1 25	350 00	9
Caster	1	300	3 00	900 00	10
Dippers	3	300	1 25	375 00	10
Drivers	7	318	1 27	403 86	9.7
Engineers	4	289	2 50	722 50	9.7
Foremen	3	300	2 83	849 00	10
Helpers	81	306	1 25	362 50	10
Helpers (boys)	54	307	86	264 02	10
Ice cream makers	6	328	1 96	642 88	9.8
Laborers	4	245	1 50	367 50	10
Machine hands	7	300	1 25	375 00	10
Porters	4	317	1 22	386 74	9.8
Rollers	9	306	1 25	382 50	10
Spinners	9	306	2 25	688 50	10
Watchman	1	300	1 50	450 00	12
COOPERAGE—10 ESTABLISHMENTS.					
Blacksmith	1	306	2 25	688 50	10
Carpenter	1	306	2 25	688 50	10
Coopers	287	300	2 11	633 00	8.7
Engineers	7	306	2 87	878 22	8.3
Helpers	50	306	2 25	688 50	9
Laborers	138	302	1 36	410 72	8.4
Machine hands	168	300	1 97	591 00	8.7
Machinists	11	306	2 25	688 50	8
Teamsters	11	295	1 72	507 40	8.7
Watchman	1	306	2 25	688 50	10
COPPER AND BRASS GOODS—21 ESTABLISHMENTS.					
Apprentices	16	301	1 01	304 01	9.2
Bell fitter	1	303	2 00	606 00	10
Blacksmith	1	313	2 65	829 45	9
Buffers	45	299	1 63	487 37	10
Carpenters	3	306	1 72	526 32	9.7
Casting cleaners	2	303	1 50	454 50	9.6
Copper smiths	48	306	2 95	902 70	8.7
Coppersmiths' helpers	15	297	1 50	445 50	9.7
Core makers	39	297	1 38	409 86	9.9
Designer	5	293	1 54	451 22	9.6
Drivers	5	299	1 67	499 33	10
Engineers	6	295	2 58	761 10	9.5
Engravers	2	290	2 82	817 80	9
Errand boys	2	293	50	146 50	10
Erector	1	302	2 50	755 00	10
Erectors assistant	1	302	1 83	552 66	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

COPPER AND BRASS GOODS—21 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Etcher	1	300	$2 50	$750 00	10
Finishers	334	298	1 82	542 36	9.8
Fireman	1	300	1 83	549 00	10
Foreman	1	313	2 85	791 05	9
Furnace hands	2	298	2 03	604 94	10
Grinders	6	283	1 81	512 23	9.2
Helpers	50	309	1 48	457 32	9.2
Jewelers	4	300	1 50	450 00	10
Laborers	60	297	1 44	427 68	9.9
Laborers (boys)	13	286	93	265 98	9.3
Lathe hands	21	296	1 83	541 68	10
Machinists	19	298	2 05	610 90	9.9
Metal stampers	4	300	2 50	750 00	10
Monitor hands	15	297	2 00	594 00	10
Molders	81	297	2 29	680 13	9.8
Mounters	14	280	1 82	509 60	9
Packers	15	297	1 61	478 17	8.5
Pattern makers	23	298	2 20	655 60	9.9
Platers	24	299	2 04	609 96	10
Polishers	13	299	2 08	621 92	10
Sheet iron workers	5	313	2 30	719 90	9
Silversmiths	4	280	2 38	666 40	9
Shipping clerks	2	305	1 75	533 75	9.5
Stock keeper	1	280	2 00	560 00	9
Tinners	8	317	2 25	713 25	9.5
Turners	7	280	2 14	599 20	9
Tool makers	30	296	2 15	636 40	10
Vise hands	59	301	1 95	586 95	9.6
Watchmen	3	300	1 61	483 00	9.7
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—6 ESTABLISHMENTS.					
Brush hand	1	300	1 25	375 00	10
Carders	41	251	1 42	356 42	10
Carpenter	1	300	2 50	750 00	10
Dyers	11	301	1 61	484 61	9.9
Dyers' helpers	12	300	1 25	375 00	10
Engineers	4	286	2 75	786 50	10
Fireman	1	235	2 00	470 00	10
Foremen	8	293	3 69	1,081 17	9.9
Knitters	7	300	2 04	612 00	10
Laborers	3	307	1 73	531 11	8.3
Machinist	1	300	3 00	900 00	10
Packer	1	300	1 67	501 00	10
Pickers	6	300	1 50	450 00	10
Porters	2	300	1 50	450 00	10
Spinner	1	300	3 33	999 00	10
Spinners' helpers	2	300	1 00	300 00	10
Teamsters	2	268	1 75	469 00	10
Warper	1	300	2 50	750 00	10
Watchmen	2	300	1 88	564 00	11
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—17 ESTABLISHMENTS.					
Apprentices	2	300	1 00	300 00	10
Bottlers	2	309	1 42	438 78	10
Box maker	1	309	2 00	618 00	10
Chemists	12	301	2 36	710 36	11.2
Compounders	22	300	1 75	525 00	10
Drivers	6	308	2 00	616 00	10
Engineers	11	287	2 86	820 82	11.5
Filler	1	219	1 50	328 50	12
Finishers	4	280	2 29	641 20	10 5
Firemen	11	294	1 95	573 30	12
Foremen	4	300	2 18	654 00	12
Helper	1	219	1 50	328 50	12
Hostlers	3	309	1 67	516 03	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—17 ESTABLISHMENTS. Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Janitor	1	308	$1 50	$462 00	10
Labelers	2	313	1 00	313 00	10
Laboratory hands	3	312	1 83	570 96	8.7
Laborers	53	302	1 64	495 28	10
Laborers (boys)	17	300	85	255 00	10
Packers	4	302	1 48	446 96	9.2
Plumbers	3	308	3 50	1,078 00	8
Porters	1	219	1 50	328 50	12
Printers	5	308	84	259 56	10
Refiner	1	300	2 50	750 00	8
Smelters	1	300	2 50	750 00	8
Stillmen	9	248	1 96	486 08	11.3
Stock hand	1	308	2 30	708 40	8.5
Teamster	1	306	2 00	612 00	10
ELECTRICAL GOODS AND SUPPLIES—12 ESTABLISHMENTS.					
Apprentices	9	308	88	271 04	9.1
Assemblers	79	307	1 98	607 86	9.8
Bell boys	9	307	50	153 50	9.8
Blacksmiths	5	307	2 10	644 70	9.7
Boxers	6	307	1 88	577 16	9.8
Carpenters	2	300	2 87	861 00	10
Clerks	15	307	1 95	598 65	9.8
Commutator makers	61	307	1 68	515 76	9.8
Crane operators	12	307	1 90	583 30	9.8
Draughtsman	20	307	4 00	1,228 00	8
Electrical workers	54	308	2 00	616 00	9.3
Electricians	11	302	2 82	851 64	9
Engineer	1	308	2 50	770 00	10
Finishers	3	300	1 58	474 00	10
Foremen	5	305	2 35	716 75	9.4
Foundry hands	11	307	2 25	690 75	9.8
Hostlers	2	307	1 65	506 55	9.8
Laborers	84	306	1 55	474 30	9.5
Laborers (boys)	22	301	78	234 78	9.5
Machinists	206	309	2 12	655 08	9.6
Molders	2	300	2 50	750 00	10
Novelty workers	7	295	1 25	368 75	10
Painters	13	307	2 19	672 33	9.7
Painters' helper	1	309	1 66	512 94	9.2
Pattern makers	30	307	3 06	939 42	9.7
Plumbers	3	307	1 65	506 55	9.8
Porters	8	307	1 50	460 50	9.8
Punch hands	38	307	1 50	460 50	9.8
Steam plant hands	7	307	2 05	629 35	12
Stock room hands	25	307	1 74	534 18	9.8
Testers	26	307	2 60	798 20	9.8
Tool hands	28	307	2 53	776 71	9.8
Watchmen	4	305	1 50	457 50	12
Winders	91	307	1 75	537 25	9.8
Wiremen	6	309	3 00	927 00	8
Wiremen's helpers	4	309	1 50	463 50	8
ELEVATORS AND HOISTING MACHINERY —5 ESTABLISHMENTS.					
Blacksmiths	4	304	2 63	799 52	9.5
Carpenters	39	302	2 58	779 16	9.1
Driver	1	308	1 75	539 00	9
Electrical workers	9	308	2 75	847 00	9
Engineers	1	308	2 50	770 00	9
Erectors	5	300	3 00	900 00	10
Helpers	14	297	1 75	519 75	9
Laborer	21	302	1 50	453 00	9.2
Machinists	64	303	2 65	802 95	9.3

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

ELEVATORS AND HOISTING MACHINERY—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machinists' helpers	5	300	$1 50	$450 00	10
Millwrights	2	308	3 15	970 20	9
Painters	2	308	2 75	847 00	9
Pattern maker	1	308	2 50	770 00	9
Polishers	2	308	2 25	693 00	9
EXTRACTS, TOILET ARTICLES AND PERFUMERY—5 ESTABLISHMENTS.					
Chemist	1	300	2 50	750 00	10
Engineer	1	308	3.33	1,025 64	9
Errand boys	2	304	75	228 00	8.5
Laborers	9	291	1 72	500 52	9
Packer	1	308	2 50	770 00	9
Porters	2	304	1 33	404 32	9.3
Shipping clerk	1	300	1 50	450 00	9.5
FERTILIZERS—2 ESTABLISHMENTS.					
Acid makers	4	365	1 80	657 00	12
Chemist	1	350	1 34	469 00	10
Engineer	1	350	3 33	1,165 50	10
Foremen	8	358	2 43	870 94	10.8
Laborers	80	359	1 56	560 04	10.1
Machinists	4	350	1 73	605 50	10
FLOURING MILL PRODUCTS—2 ESTABLISHMENTS.					
Engineers	2	284	3 00	852 00	11
Firemen	2	284	1 58	448 72	11
Foreman	1	275	2 60	715 00	12
Laborers	8	292	1 50	438 00	10
Millers	3	286	2 73	780 78	10.7
Teamsters	2	292	1 88	548 96	10
Warehouse men	8	275	1 75	481 25	12
Watchman	1	292	1 75	511 00	10
FOUNDRY AND MACHINE SHOP PRODUCTS—28 ESTABLISHMENTS.					
Apprentices	123	294	1 00	294 00	9.7
Blacksmiths	14	300	2 45	735 00	9.7
Blacksmiths' helpers	4	300	1 67	501 00	10
Carpenters	19	288	2 44	702 72	10
Casting cleaners	13	285	1 58	450 30	9.7
Clippers	24	280	1 77	495 60	9.9
Core makers	90	283	2 43	687 69	10
Core makers' helpers	2	286	1 50	429 00	10
Crane hands	2	300	2 00	600 00	10
Cupola tenders	21	285	2 19	624 15	9.8
Drillers	5	302	1 77	534 54	10
Drivers	3	295	1 95	575 25	10
Electrician	1	300	2 50	750 00	10
Engineers	13	289	2 37	684 93	10
Finishers	30	275	1 93	530 75	10
Firemen	2	300	1 75	525 00	10
Foremen	2	293	4 50	1,318 50	10
Grinders	2	303	1 66	502 98	10
Helpers	63	275	1 93	530 75	10
Japanner	1	303	2 00	606 00	10
Laborers	471	295	1 49	439 55	9.9
Laborers (boys)	11	301	73	219 73	10
Lathe hands	2	300	1 67	501 00	10
Machine hands	100	300	2 00	600 00	10
Machinists	153	301	2 50	752 50	9.2
Millwrights	5	306	2 40	734 40	9.2
Molders	546	286	3 09	883 74	9.9
Molders' helpers	76	294	1 51	443 94	9.8

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—28 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Packers	7	303	$1 00	$303 00	10
Painters	3	280	2 10	588 00	9
Pattern Carriers	3	295	1 67	492 65	10
Pattern makers	13	300	2 72	816 00	9.5
Scale makers	7	307	2 38	730 66	10
Screw machine hands	32	305	1 10	335 50	10
Shipping clerks	2	303	3 00	909 00	10
Shop hands	20	308	2 02	622 16	9
Teamster	1	290	1 75	507 50	10
Time keepers	2	300	2 50	750 00	10
Watchmen	9	297	1 68	498 96	10.3
Wood workers	4	315	1 75	551 25	10
FURNITURE—47 ESTABLISHMENTS.					
Assemblers	3	272	1 75	476 00	10
Bench hands	13	290	2 50	725 00	10
Bill makers	3	300	3 00	900 00	10
Buffers	6	272	1 75	476 00	10
Cabinet makers	430	308	2 17	668 36	9.8
Car men	9	300	1 75	525 00	10
Carvers	54	301	2 33	701 32	9.8
Chair makers	45	296	1 76	520 96	9.9
Cloak makers	3	308	2 50	770 00	9.5
Elevator hand	1	300	1 50	450 00	10
Engineers	21	298	2 31	688 38	9.9
Fillers	5	300	1 25	375 00	10
Finishers	160	297	1 59	472 23	9.9
Firemen	3	320	1 64	524 80	10
Foremen	11	300	3 32	996 00	10
Gluers	4	300	1 50	450 00	10
Helpers	7	300	1 15	345 00	10
Iron bed makers	14	272	1 75	476 00	10
Laborers	110	301	1 40	421 40	10
Laborers (boys)	39	292	69	301 48	9.7
Lacquerers	3	272	1 75	476 00	10
Lumber hands	3	300	1 83	549 00	10
Machine hands	446	312	1 88	586 56	9.9
Machine hands (boys)	1	300	60	180 00	10
Machinists	6	272	2 00	544 00	10
Mattress makers	5	300	1 80	543 00	10
Mill hands	83	304	2 08	632 32	10
Molder	1	272	2 00	544 00	10
Packers	302	302	1 47	443 94	9.9
Plater	1	273	2 50	682 50	9
Polishers	17	314	2 12	665 68	9.5
Porter	1	300	1 40	420 00	10
Reed workers	70	300	2 00	600 00	10
Rubbers	4	300	1 25	375 00	10
Shipping clerks	2	306	2 00	612 00	9
Teamsters	18	302	1 79	540 58	9.9
Up-fitters	13	302	2 08	628 16	10
Upholsterers	137	296	2 09	618 64	10
Upholsterer (boy)	1	300	1 25	375 00	10
Varnishers	254	309	1 65	509 85	10
Veneerers	2	308	2 00	616 00	10
Watchmen	2	334	1 58	527 72	11
Wood turner	1	273	2 50	682 50	9
Wood workers	20	259	1 82	471 38	9.6
GLASS AND GLASSWARE—6 ESTABLISHMENTS.					
Art glass workers	10	300	2 00	600 00	9
Bevelers	7	280	2 25	630 00	10
Blowers	100	300	8 00	2,400 00	9
Blowers' helpers	150	300	75	225 00	9
Carpenters	3	300	2 00	600 00	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

GLASS AND GLASSWARE—6 ESTABLISHMENTS.—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cementers	3	300	$2 00	$600 00	9
Cutters	7	297	2 89	856 33	9.1
Engineers	3	293	2 08	609 44	11.3
Firemen	2	300	1 75	525 00	12
Foremen	4	300	5 00	1,500 00	10
Glaziers	8	300	2 55	765 00	9
Helpers	8	288	1 29	371 52	9.6
Laborers	290	287	1 72	493 64	9.7
Laborers (boys)	7	283	76	215 08	10
Lacquerer	1	302	2 00	604 00	10
Lacquerer's helpers	5	302	70	211 40	10
Machinists	6	300	2 80	840 00	10
Packers	2	240	2 50	600 00	9
Packers (boys)	12	302	60	181 20	10
Polishers	15	280	2 00	560 00	10
Press hands	15	234	3 00	702 00	8.6
Silverer	1	280	2 67	747 60	10
Smoothers	6	280	2 00	560 00	10
Watchmen	2	300	1 75	525 00	12
HARDWARE—4 ESTABLISHMENTS.					
Apprentices	4	300	1 00	300 00	9
Assemblers	3	260	1 70	442 00	10
Blacksmiths	3	295	2 25	663 75	9.7
Blacksmiths' helpers	2	293	1 50	439 50	10
Buffers	2	305	1 38	420 90	10
Carpenter	1	293	1 75	512 75	10
Core makers	2	300	2 00	600 00	9
Die sinkers	3	293	2 25	659 25	10
Engineers	3	284	2 58	742 72	9.7
Finishers	6	300	2 75	825 00	9
Hammermen	19	293	2 00	586 00	10
Helpers	2	305	75	228 75	10
Laborers	78	287	1 41	404 67	9.9
Laborers (boys)	20	293	85	249 05	10
Locksmiths	26	300	2 50	750 00	9
Machinists	17	274	1 85	506 90	10
Molders	4	300	2 50	750 00	9
Platers	3	260	2 00	520 00	10
Polishers	4	300	2 50	750 00	9
Teamsters	2	293	1 75	512 75	10
Tinners	7	260	2 00	520 00	10
Vise hands	2	305	1 00	305 00	10
Watchman	2	277	1 73	479 21	11
Wood workers	14	260	2 00	520 00	10
HARNESS AND SADDLERY—11 ESTABLISHMENTS.					
Apprentices	2	304	75	228 00	10
Collar makers	58	302	1 97	594 94	10
Cutters	5	270	1 45	391 50	10
Finishers	3	270	2 00	540 00	10
Foreman	1	308	3 66	1,127 28	10
Harness makers	236	303	1 96	593 88	10
Harness makers' helper	1	300	50	150 00	10
Laborers (boys)	1	300	66	198 00	10
Machine hands	17	292	2 04	595 68	10
Packers	4	308	2 00	616 00	10
Platers	2	300	1 50	450 00	9
Porters	5	307	1 50	460 50	10
Saddle makers	43	302	2 12	640 24	10
Saddle tree makers	3	300	1 50	450 00	9
Sawyer	1	300	1 50	450 00	9
Sewers	3	270	2 00	540 00	10
Stuffers	8	270	1 00	270 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

HATS, CAPS AND FURNISHINGS—13 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blockers	14	322	$1 91	$615 02	9
Cap makers	27	346	2 00	692 00	9
Cutters	21	304	2 37	720 48	8.7
Errand boys	3	270	58	156 60	9.3
Finishers	1	290	1 33	385 70	9
Foreman	1	312	2 00	624 00	10
Garter maker	1	285	50	142 50	9.5
Laborers	2	300	1 85	555 00	9
Machine hands	13	297	2 03	602 91	9.2
Machine hands (boys)	2	300	1 00	300 00	9.
Packers	5	342	1 13	386 46	9
Porters	2	256	1 17	299 52	8.5
Stock keepers	3	283	2 20	622 60	8
Suspender workers	2	240	215	516 00	10
Trimmer	1	312	1 65	514 80	9
ICE (ARTIFICIAL)—6 ESTABLISHMENTS.					
Engineers	11	280	3 01	842 80	12
Firemen	15	301	1 85	551 85	12
Helpers	5	365	1 82	664 30	12
Ice pullers	5	263	1 63	428 69	12
Laborers	7	261	1 79	467 19	12
Oiler	1	330	1 71	564 30	12
Tankmen	16	354	1 75	619 50	12
Watchmen	2	285	1 47	418 95	11
INKS—3 ESTABLISHMENTS.					
Chemists	2	310	11 25	3,487 50	10
Coopers	10	310	1 90	589 00	10
Driver	1	310	2 50	775 00	10
Engineers	3	309	3 42	1,056 78	10
Firemen	2	310	2 00	620 00	10
Foremen	2	310	7 30	2,263 00	10
Ink grinders	84	310	2 34	725 40	10
Laborers. (boys)	1	308	75	231 00	10
Mill hands	10	308	1 50	462 00	10
Oil boilers	3	310	4 50	1,395 00	10
Shipping clerks	2	310	2 00	620 00	10
Varnish makers	5	310	2 20	682 00	10
Watchman	1	310	2 00	620 00	10
IRON (STRUCTURAL AND ARCHITECTURAL)—8 ESTABLISHMENTS					
Blacksmiths	18	299	3 08	920 92	9
Blacksmiths' helper	1	300	2 00	600 00	9
Draughtsmen	5	305	3 33	1,015 65	9
Engineers	4	305	3 66	1,116 30	9.5
Erectors	81	300	2 46	738 00	9.7
Finishers	60	299	2 75	822 25	9.1
Finishers' helpers	1	300	1 75	525 00	9
Fireman	1	310	2 00	620 00	9
Foremen	13	305	4 27	1,302 35	9.5
Helpers	70	299	1 71	511 29	9.1
Iron workers	147	315	2 45	771 75	9
Laborers	222	304	1 71	519 84	9.1
Machine hands	30	300	2 10	630 00	10
Machinists	52	301	2 43	731 43	9.5
Machinists' helpers	3	310	2 00	620 00	10
Painters	3	298	2 00	596 00	9
Setters	6	304	2 70	820 18	9
Shipping clerk	1	298	1 65	491 70	9
Tool hand	1	298	2 25	670 50	9
Watchmen	2	310	2 00	620 00	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

JEWELRY AND WATCHES—14 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice	1	313	$1 00	$313 00	9
Die cutter	1	350	3 33	1,165 50	9
Enameler	1	303	2 50	757 50	9
Engravers	22	309	2 69	831 21	9.8
Finishers	2	306	2 50	765 00	10
Helpers	3	300	50	150 00	10
Jewelers	80	305	2 46	750 30	9.8
Jobbers	3	300	2 00	600 00	10
Jointers	4	306	2 50	765 00	10
Medal maker	1	300	3 00	900 00	10
Melters	2	303	2 25	681 75	10
Polishers	10	311	1 90	590 90	9.6
Repairers	4	305	2 50	762 50	9.8
Ring makers	6	303	2 61	790 83	9.5
Rollers	2	306	1 50	459 00	10
Setters	8	316	3 00	948 00	9.6
Springers	3	306	2 33	712 98	10
Turners	4	306	2 84	869 04	10
Watchcase makers	2	300	2 25	675 00	10

LEATHER AND LEATHER GOODS—13 ESTABLISHMENTS.

Bark grinders	30	302	1 20	362 40	7
Beam hands	133	300	1 86	558 00	9.3
Belt makers	18	307	1 80	552 60	10
Blacksmiths	2	302	2 80	845 60	10
Boiler	1	306	2 67	817 02	10
Buffers	2	306	2 50	765 00	10
Carpenters	6	302	2 80	845 60	10
Carriers	176	298	1 89	563 22	9.2
Cutters	17	305	2 06	628 30	10
Door boys	3	302	1 12	338 24	10
Dryers	4	300	2 00	600 00	10
Engineers	22	301	2 34	470 34	11.3
Finishers	22	304	1 23	373 92	10
Grainers	32	302	2 30	694 60	9.1
Hidehouse hands	10	302	1 70	513 40	9
Japanners	179	302	1 80	543 60	8.1
Laborers	70	300	1 52	456 00	10
Laborers (boys)	2	306	96	293 76	10
Loft hands	45	302	1 70	513 40	9
Molders	12	305	1 33	405 65	10
Painters	5	306	1 65	504 90	10
Patcher	1	306	2 25	688 50	10
Pipe fitters	5	302	1 95	588 90	10
Pullers	26	300	2 00	600 00	9
Rollers	19	302	1 95	588 90	9
Scourer	1	300	1 50	450 00	10
Scrapers	8	308	1 55	477 40	10
Shipping clerks	30	302	1 50	453 00	9
Softeners	2	306	2 00	612 00	10
Splitters	45	302	2 79	842 58	9.1
Stoners	2	306	1 50	459 00	10
Strap makers	2	308	1 25	385 00	10
Stuffers	7	302	1 88	567 76	10
Tackers	15	302	1 25	377 50	9
Tackers (boys)	40	302	83	250 66	9
Tanners	24	310	1 75	542 50	10
Teamsters	10	302	1 86	561 72	10
Watchman	1	312	1 50	468 00	12
Wheelstuffers	2	306	2 00	612 00	10
Whiteners	2	300	2 12	636 00	10
Yard hands	94	296	1 65	488 40	9.3

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

LIQUORS (DISTILLED)—15 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers	31	303	$1 36	$412 08	9
Canners	8	300	1 75	525 00	9
Carpenters	2	314	2 50	785 00	9.5
Cleaners	1	300	1 50	450 00	9
Compounders	14	303	2 21	669 63	8.9
Coopers	54	303	2 23	675 69	9.4
Decorators	5	327	1 75	572 25	10
Distiller	1	36	3 33	119 88	10
Engineers	14	290	2 87	832 30	9.8
Firemen	6	308	2 17	668 36	9.7
Foremen	5	250	3 66	915 00	9.6
Gauger	1	313	2 67	835 71	10
Laborers	265	290	2 14	620 60	10
Machinists	13	305	2 61	796 05	10
Millers	3	220	2 11	464 20	10
Porters	26	303	1 90	575 70	9.5
Shipping clerks	6	301	2 00	602 00	8.8
Steam fitter	1	300	3 00	900 00	9
Teamsters	2	313	1 58	494 54	10
Warehouse hands	10	312	1 80	561 60	10
Watchmen	4	250	1 92	480 00	10.5
Yeast maker	1	312	3 00	936 00	10
LIQUORS (MALT)—21 ESTABLISHMENTS.					
Apprentice	1	313	1 66	519 58	8.3
Bar keepers	3	329	1 50	493 50	9.3
Bottlers	92	326	1 56	508 56	9.7
Bottlers (boys)	11	305	78	237 90	9.7
Brewers	492	314	2 53	794 42	9
Carpenters	33	317	2 50	792 50	8.7
Cellar hands	31	335	2 61	874 35	8.5
Collectors	3	308	5 69	1,752 52	9.7
Collectors' helper	1	308	2 00	616 00	9
Coopers	11	314	2 46	772 44	8.8
Drivers	331	315	2 21	696 15	9.7
Engineers	107	319	2 75	877 25	8
Finishers	4	313	2 34	732 42	9
Firemen	75	320	2 02	646 40	8.2
Foremen	6	311	2 69	836 59	9.3
Greasers	3	324	2 00	648 00	8.7
Hostlers	57	325	2 12	689 00	9.6
Ice pullers	23	363	1 74	631 62	10.4
Kettle hands	15	318	2 58	820 44	8.5
Labelers (boys)	8	311	50	155 50	10
Laborers	20	309	1 53	472 77	9
Machinists	11	350	2 20	770 00	8.2
Millwright	1	313	2 75	860 75	8.3
Pipe fitters	4	308	2 06	634 48	9
Solicitor	1	308	5 80	1,786 40	9
Stamp clerks	2	313	2 10	657 30	9
Washhouse hands	32	332	2 36	783 52	8.9
Watchmen	3	310	2 33	722 30	9.7
LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—20 ESTABLISHMENTS.					
Apprentices	6	307	1 13	346 91	8.5
Artists	107	305	5 40	1,647 00	8.1
Backer	1	300	2 00	600 00	9
Binders	13	306	1 12	342 72	8.8
Blocker	1	300	2 00	600 00	9
Bronzer	1	350	1 00	350 00	9
Builders	3	304	2 50	760 00	9
Casters	2	306	2 00	612 00	9
Compositors	11	307	2 81	862 67	9
Cutters	9	308	2 61	803 88	9.1

TABLE IV*c*—MANUFACTURES—CINCINNATI—Continued.

LITHOGRAPHIC, ENGRAVING AND ELECTROTYPING—20 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cutters' helper	1	350	$1 00	$350 00	10
Draughtsmen	2	306	2 50	765 00	8
Elevator hand	1	312	1 33	414 96	9.3
Embosser	1	350	1 50	525 00	10
Engineers	22	303	3 37	1,021 11	8.6
Engravers	51	306	2 57	786 42	8.6
Errand boys	13	309	62	191 58	9.2
Etchers	7	306	4 48	1,370 88	8.6
Feeders	41	308	1 35	415 80	8.9
Finishers	25	307	2 80	859 60	8.9
Finishers' helpers	6	306	1 60	489 60	9
Fireman	1	312	1 25	390 00	9.3
Foremen	2	306	4 17	1,276 02	9
Grainers	13	304	2 65	805 60	9
Halftone operators	4	308	5 00	1,540 00	8
Helpers	5	304	1 60	486 40	9
Ink grinders	4	305	2 38	725 90	8.9
Jobbers	7	304	2 05	623 20	9
Laborers	10	312	1 98	617 76	9.2
Laborers (boys)	40	304	78	237 12	9.3
Lithographers	19	336	4 02	1,350 72	8
Molders	13	332	1 92	637 44	9
Molders' helpers	3	306	94	287 64	9
Pasters	8	306	1 90	581 40	8.8
Photographers	8	306	2 22	679 32	8.4
Pointers	17	306	3 50	1,071 00	8.8
Porter	1	312	1 50	468 00	9.3
Pressmen	152	307	2 05	629 35	9
Pressmens' helpers	4	339	89	301 71	9
Printers	7	302	2 93	884 86	9
Proofers	9	316	4 10	1,295 10	8.1
Routers	2	308	2 50	770 00	8
Shippers	36	304	1 40	425 60	9
Stereotypers	1	300	3 00	900 00	8
Stone grinders	21	308	2 14	659 12	8.9
Stripper	1	308	1 50	462 00	8
Transferers	47	307	3 21	985 47	9.1
Transferers' assistant	1	350	1 00	350 00	9
Watchman	1	306	2 60	795 60	13
MACHINERY—57 ESTABLISHMENTS.					
Apprentices	158	304	83	252 32	9.5
Assemblers	3	200	1 75	350 00	9
Bench hands	7	150	2 00	300 00	10
Blacksmiths	25	305	2 36	719 80	9.6
Boiler makers	15	305	2 77	844 85	9.6
Burr dressers	3	292	2 00	584 00	10
Cabinet makers	9	287	2 22	637 14	10
Carpenters	46	303	2 27	687 81	9.7
Coppersmiths	2	300	2 43	729 00	9.2
Core makers	7	279	2 14	597 06	9.8
Core makers (boys)	7	305	1 00	305 00	10
Cupola tenders	2	300	1 88	564 00	10
Draughtsmen	31	302	2 93	884 86	9
Drill hand	1	305	2 25	686 25	10
Enamelers	2	200	1 75	350 00	9
Engineers	13	298	2 41	718 18	9.7
Finishers	3	305	1 33	405 65	10
Foremen	13	304	3 60	1,094 40	9.2
Furnace hands	5	302	2 25	679 50	10
Helpers	66	302	1 28	386 56	9.3
Laborers	315	301	1 47	442 47	9.7
Laborers (boys)	12	286	91	260 26	9.4
Lathe hands	18	235	1 97	462 95	9.8
Machine hands	30	265	1 75	463 75	9.7

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

MACHINERY—57 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machinists	1,300	300	$2 28	$684 00	9.6
Machinists' apprentices	30	295	75	221 25	9.9
Machinists' helpers	5	300	1 50	450 00	9
Mechanics	4	300	2 25	675 00	10
Millwrights	9	296	2 61	772 56	9.6
Molders	69	291	2 99	870 09	9.9
Packer	1	303	1 90	575 70	10
Painters	66	302	1 74	525 48	9.5
Pattern makers	31	304	2 98	905 92	9.6
Pipe fitters	10	306	3 30	1,009 80	8
Pipe fitters' helpers	11	306	2 00	612 00	8
Planer hands	10	258	1 65	425 70	10
Polishers	3	235	2 08	488 80	9.1
Porters	3	300	1 50	450 00	9.3
Printers	2	300	2 25	375 00	9.2
Sawyers	3	300	1 75	525 00	10
Sheet iron workers	11	302	2 33	703 66	9.4
Shipping clerks	3	282	1 15	324 30	9
Stock keepers	2	300	1 38	414 00	9.2
Stone dressers	2	300	2 25	675 00	9.2
Teamsters	5	301	1 58	475 58	10
Time keeper	1	300	1 17	351 00	10
Tinners	9	300	2 31	693 00	9.5
Tool boys	5	300	60	180 00	9.2
Tool maker	1	200	2 50	500 00	9
Varnisher	1	270	4 50	1,215 00	10
Vise hands	6	305	2 00	610 00	10
Watchmen	5	301	1 90	571 90	10.4
Wood workers	32	300	1 99	597 00	10
MALT—3 ESTABLISHMENTS.					
Engineer	1	238	2 00	476 00	10
Helpers	5	238	1 50	357 00	10
Malters	57	232	1 91	443 12	9.8
Teamsters	5	238	2 00	476 00	10
MARBLE AND GRANITE—6 ESTABLISHMENTS.					
Blacksmith	1	225	3 00	675 00	8
Coopers	3	300	2 35	705 00	9
Cutters	33	318	3 13	995 34	8.9
Draymen	2	350	1 50	525 00	9
Engineers	2	303	2 50	757 50	9
Fireman	1	300	1 50	450 00	9
Foremen	3	300	2 67	801 00	9
Helpers	2	300	75	225 00	9
Laborers	23	340	1 53	520 20	9
Letterers	2	305	3 00	915 00	9
Machine hands	8	331	1 91	632 21	9
Machinists	3	350	2 50	875 00	9
Mill hands	2	300	2 00	600 00	10
Packers	4	337	1 94	653 78	9
Polishers	67	341	2 01	685 41	9
Rubbers	22	273	2 40	655 20	9
Sawyer	1	305	2 00	610 00	9
Setters	10	325	3 50	1,137 50	9
Setters' helpers	5	300	1 50	450 00	9
MATTRESSES AND PILLOWS—6 ESTABLISHMENTS.					
Bed makers	9	275	1 00	275 00	10
Cot makers	5	275	1 00	275 00	10
Driver	1	310	2 00	620 00	10
Engineers	2	309	3 50	1,081 50	11
Fireman	1	309	2 00	618 00	12
Foremen	6	309	3 67	1,134 03	9.6

TABLE IV*c*—MANUFACTURES—CINCINNATI—Continued.

MATTRESSES AND PILLOWS—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Helper	1	301	$1 00	$301 00	9.5
Laborers	23	308	1 57	483 56	10
Machinists	4	275	2 50	687 50	11
Mattress makers	7	303	2 20	666 60	9.6
Metal workers	3	275	1 25	343 75	10
Packers	3	275	1 25	343 75	10
Porter	1	310	1 50	465 00	10
Spring makers	31	275	80	220 00	10
Teamsters	2	309	2 00	618 00	10
MOLDINGS AND FRAMES—9 ESTABLISHMENTS.					
Bronzers	27	212	1 52	322 24	10
Carpenters	2	285	1 50	427 50	10
Caster	1	325	1 00	325 00	10
Cabinet makers	29	302	1 98	597 96	10
Drivers	2	249	1 84	458 16	10.3
Elevator hand	1	196	2 25	441 00	10
Engineers	3	259	2 67	691 53	10.3
Errand boy	1	306	50	153 00	8
Finishers	13	288	1 73	498 24	10
Firemen	1	279	1 50	418 50	10
Fitters	15	232	1 42	329 44	10
Gilders	82	269	1 97	529 93	10
Helper (boy)	1	325	70	227 50	10
Joiners	20	223	1 65	356 95	10
Laborers	37	272	1 22	331 84	10
Laborers (boys)	17	196	53	103 88	10
Lacquerers	13	255	1 87	476 85	10
Machine hands	31	292	1 91	557 72	10
Ornamenters	27	244	1 52	370 88	10
Ornamenters' helpers	15	279	75	209 25	10
Packers	12	238	1 36	323 68	10
Polishers	8	196	1 70	333 20	10
Porter	1	285	1 25	356 25	10
Preparers	14	218	1 22	265 96	10
Routers	5	196	1 67	327 32	10
Sand paperers	8	236	1 25	295 00	10
Sawyers	8	212	1 80	381 60	10
Varnishers	26	301	1 62	487 62	10
Veneerers	3	279	2 00	558 00	10
Watchmen	2	196	1 60	313 60	10
Wood workers	40	297	1 69	501 93	10
OIL CLOTH AND WINDOW SHADE CLOTH—2 ESTABLISHMENTS.					
Foreman	1	250	2 33	582 50	10
Packers	3	250	1 66	415 00	10
Painters	30	252	1 50	378 00	10
OIL AND GREASE—8 ESTABLISHMENTS.					
Blacksmiths	2	365	2 00	730 00	10
Carpenter	1	300	2 00	600 00	10
Coopers	7	303	2 00	606 00	10
Coopers' helpers	2	306	1 40	428 40	10
Drivers	44	359	1 65	592 35	8.2
Engineers	7	331	2 55	844 05	10.3
Fat buyer	1	300	3 00	900 00	10
Firemen	5	352	1 80	633 60	10
Helpers	15	365	1 50	547 50	8
Laborers	120	320	1 56	499 20	10
Pressmen	9	310	1 65	511 50	10
Tank man	1	310	1 75	542 50	10
Teamsters	4	306	2 25	688 50	10
Watchmen	2	308	1 75	539 00	11.5

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

PAINTS AND VARNISHES—14 ESTABLISHMENTS.

Occupation—Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Chemists	3	312	$8 00	$2,496 00	8
Coopers	3	310	2 00	620 00	10
Driver	1	300	1 50	450 00	9
Engineers	8	296	2 15	636 40	10
Foreman	1	310	2 25	697 50	10
Helpers	2	305	2 00	610 00	9
Laborers	48	305	1 83	558 15	8.9
Machinist	1	310	3 00	930 00	9
Metal hands	17	296	1 60	473 60	10
Mill hands	12	300	2 00	600 00	10
Oxide hands	13	300	2 00	600 00	10
Paint makers	69	294	1 62	476 28	9.8
Porter	1	310	1 67	517 70	9
Shipping clerks	6	296	1 89	559 44	10
Stillmen	2	310	2 25	697 50	12
Varnish makers	8	301	2 85	857 85	9.1
Varnish makers' helpers	2	300	2 00	600 00	10
Tarred felt makers	2	310	1 88	572 80	10
Watchmen	4	296	1 76	520 96	10
Yard hands	85	300	1 66	498 00	9
PATTERNS AND MODELS—7 ESTABLISHMENTS.					
Apprentices	7	300	1 11	333 00	9.3
Die makers	2	300	3 00	900 00	10
Drill press hands	3	300	1 00	300 00	10
Errand boy	1	300	60	180 00	10
Finisher	1	300	2 00	600 00	10
Lathe hands	1	300	1 50	450 00	10
Metal workers	2	300	1 50	450 00	10
Model maker	1	300	3 50	1,050 00	10
Packers	2	310	1 25	387 50	9.5
Pattern makers	41	298	2 85	849 30	9
Pattern makers' helpers	2	300	1 25	375 00	9
Shop hand	1	300	60	180 00	10
Stampers	2	310	1 25	387 50	9.5
PIANOS AND OTHER MUSICAL INSTRUMENTS—3 ESTABLISHMENTS.					
Cabinet makers	3	305	2 50	762 50	10
Engineer	1	305	3 00	915 00	10
Fireman	1	305	1 50	457 50	10
Foremen	6	305	3 48	1,061 40	10
Laborers	13	305	1 47	448 35	10
Laborers (boys)	4	305	75	228 75	10
Machine hands	10	305	2 00	610 00	10
Millwright	1	305	2 25	686 25	10
Packers	5	305	1 76	536 80	10
Piano makers	65	305	2 07	631 35	10
Piano makers (boys)	71	305	1 05	320 25	10
Porters	2	305	1 25	381 25	10
Tinners	20	305	3 00	915 00	10
Varnishers	118	305	1 94	591 70	10
Varnishers' helpers	36	305	1 05	320 25	10
Veneer cutters	3	305	2 50	762 50	10
Watchmen	3	305	1 50	457 50	11.3
PICKLES, PRESERVES AND SAUCES—6 ESTABLISHMENTS					
Bottlers	16	300	1 15	445 00	10
Copper	1	169	2 00	338 00	10
Cooks	2	169	4 75	802 75	10
Engineers	3	256	2 13	545 28	10
Fillers	22	300	1 33	399 00	10
Helpers	3	300	1 50	450 00	10
Laborers	98	286	1 48	423 28	10
Packers	18	300	1 19	357 00	10
Picklers	3	300	1 75	525 00	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

PICKLES, PRESERVES AND SAUCES—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Processers	4	267	$1 94	$517 98	10
Teamsters	3	300	1 33	399 00	10
Tipper	1	169	1 75	295 75	10
PLATING—2 ESTABLISHMENTS.					
Buffers	17	300	2 74	822 00	9.9
Burnishers	10	301	2 27	683 27	9.9
Casters	5	300	2 00	600 00	10
Driver	1	306	1 80	550 80	9
Engineers	2	300	2 38	714 00	9.5
Engravers	7	300	2 00	600 00	10
Helpers	93	300	1 01	303 00	10
Mold makers	5	300	3 00	900 00	10
Packers	2	300	2 00	600 00	10
Platers	7	302	2 18	658 36	9.7
Polishers	11	302	2 61	788 22	9.6
Solderers	30	300	2 80	840 00	10
Spinners	11	300	2 85	855 00	10
Stock clerk	1	300	4 00	1,200 00	10
Turners	18	300	2 75	825 00	10
Wrappers	26	300	1 50	450 00	10
PLUMBING, STEAM AND GAS FITTING SUPPLIES—6 ESTABLISHMENTS.					
Blacksmith	1	300	2 25	675 00	10
Cabinet makers	23	295	1 75	516 25	10
Core makers	4	262	1 31	343 22	9.6
Cupola tender	1	300	2 00	600 00	10
Drivers	3	299	1 50	448 50	10
Enamelers	4	300	2 50	750 00	10
Engineers	2	299	2 63	787 37	10
Finishers	4	250	1 50	375 00	9.5
Firemen	7	300	1 60	480 00	10
Fitters	21	292	1 36	397 12	9.9
Foremen	7	300	3 07	921 00	10
Grinders	3	300	1 75	525 00	10
Helpers	3	300	85	255 00	10
Laborers	52	302	1 54	465 08	9.4
Laborers' (boys)	6	300	1 00	300 00	10
Machine hands	38	288	1 64	472 32	9.9
Machinists	28	300	2 97	891 00	10
Machinists helpers	17	300	1 43	429 00	10
Molders	57	298	2 28	679 44	10
Molders' helpers	10	300	1 25	375 00	10
Nickel platers	17	299	1 72	514 28	10
Packers	21	299	1 55	463 45	10
Rubbers	4	300	1 40	420 00	10
Steam fitters	40	309	3 44	1,062 96	8
Steam fitters helpers	40	309	2 13	658 17	8
Varnishers	29	289	1 16	335 24	9.9
POTTERY AND STONEWARE—2 ESTABLISHMENTS.					
Clay worker	1	68	1 80	122 40	10
Decorators	9	296	4 20	1,243 20	7.5
Dipper	1	68	2 00	136 00	10
Engineers	3	220	2 17	477 40	9.3
Foreman	1	68	2 65	180 20	10
Jiggerman	1	68	2 00	136 00	10
Kiln hands	2	68	2 00	136 00	10
Mold maker	1	68	2 50	170 00	10
Packer	1	68	1 75	119 00	10
Potters	16	296	2 10	621 60	10
Pressers	3	68	2 00	136 00	10
Turner	1	68	1 85	125 80	10
Warehouse hands	4	239	1 64	391 96	9.2
Watchman	1	296	2 00	592 00	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

PRINTING AND BINDING—88 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	20	304	$ 83	$ 252 32	9.1
Artists	11	307	4 36	1,338 52	8
Binders	135	258	2 32	598 56	9.2
Binders (boys)	55	286	91	260 26	9
Book makers	12	308	1 25	385 00	9
Box makers	20	310	1 46	452 60	9
Canvassers	15	306	2 25	688 50	8
Carpenter	1	308	2 50	770 00	9.5
Case makers	2	300	2 50	750 00	9.7
Coaters	57	310	1 79	554 90	9
Collector	1	306	2 50	765 00	8
Compositors	505	304	2 51	763 04	9
Compositors' helpers	3	303	1 58	478 74	9.3
Compositors' apprentices	3	280	50	140 00	9
Cutters	82	305	1 88	573 40	9.1
Die cutter	1	300	2 00	600 00	10
Driver	1	300	1 50	450 00	9.5
Electricians	2	308	2 00	616 00	9.5
Electrotypers	18	308	2 44	751 52	9.3
Elevator hands	3	309	1 70	525 30	9.3
Embossers	33	304	1 60	486 40	9
Engineers	17	299	2 73	816 27	9.2
Engravers	108	305	2 63	802 15	8.2
Errand boys	30	301	57	171 57	9.4
Feeders	410	305	1 67	509 35	9.1
Feeders (boys)	70	303	86	260 58	9.2
Finishers	45	309	2 32	716 88	9
Firemen	3	309	1 69	522 21	9.3
Foremen	13	300	3 72	1,116 00	9.2
Folders	3	306	1 42	434 52	9
Folders (boys)	2	306	95	290 70	8.5
Forwarders	16	301	2 67	803 67	9.4
Foundry hands	30	304	2 50	760 00	9
Gatherers	20	310	1 94	601 40	9
Helpers	10	300	89	267 00	9
Ink hands	9	304	2 00	608 00	9
Janitors	4	309	1 83	565 47	9.4
Jobbers	21	304	1 50	456 00	9
Laborers	105	312	1 66	517 92	9.1
Laborers (boys)	29	305	82	250 10	9.5
Linotype operators	18	305	3 89	1,186 45	8.3
Machine hands	2	300	2 50	750 00	9.7
Machinists	47	310	2 67	827 70	9
Mailers	20	309	1 24	383 16	9.4
Marbler	1	300	4 17	1,251 00	9
Numberer	1	280	51	142 80	8.5
Painter	1	308	2 50	770 00	9.5
Porters	6	305	1 58	481 90	9.5
Pressmen	196	298	2 37	706 26	9.3
Pressmens' assistants	3	297	1 25	371 25	9.3
Proof readers	2	309	3 36	1,038 24	8.5
Rulers	15	301	2 85	857 85	9.2
Shipping clerk	1	300	2 00	600 00	10
Solicitors	5	306	3 50	1,071 00	8
Stampers	2	300	3 34	1,002 00	9.7
Stock hands	6	307	1 46	448 22	9
Teamster	1	308	2 77	853 16	9.5
Varnish hands	14	304	90	273 60	9
Watchman	1	308	2 16	665 28	9.5

PRINTERS' ROLLERS—2 ESTABLISHMENTS.

Roller makers	5	300	2 20	660 00	9.2

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

PUMPS AND WATER WHEELS—4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	50	307	$ 55	$168 85	9
Blacksmiths	4	307	2 85	874 95	9
Carpenters	8	307	2 50	767 50	9
Casting cleaners	23	307	1 75	537 25	10
Core makers	40	307	2 50	767 50	10
Driver	1	306	2 00	612 00	9.5
Electricians	3	307	2 10	644 70	9.
Engineers	3	305	2 43	741 15	9.3
Foremen	4	305	3 00	915 00	9.6
Iron workers	3	306	1 50	459 00	9.5
Laborers	223	307	1 60	491 20	9.3
Lathe hand	1	260	1 85	481 00	9.2
Machinists	2	306	3 25	994 50	9.5
Mechanics	161	307	2 65	813 55	9
Molders	67	307	2 96	908 72	10
Painters	8	307	1 87	574 09	9.1
Pattern makers	20	307	3 33	1,022 31	9
Pump makers	20	300	1 66	498 00	10
Watchmen	3	307	1 50	460 50	9
REGALIA—8 ESTABLISHMENTS.					
Apprentices	3	251	83	208 33	9
Artists	2	246	2 50	615 00	9
Cabinet makers	2	300	2 25	675 00	10
Cap maker	1	300	3 00	900 00	10
Coat makers	17	300	3 00	900 00	10
Cutters	4	300	3 63	1,089 00	9.5
Designer	1	245	3 00	735 00	9
Embossers	4	300	2 75	825 00	8.5
Foreman	1	304	3 00	912 00	10
Lantern slide maker	1	300	3 00	900 00	8
Leather workers	4	300	2 25	675 00	10
Painters	2	300	2 50	750 00	10
Porter	1	210	1 00	210 00	10
Pressers	2	304	2 50	760 00	10
Shipping clerks	2	304	2 00	608 00	10
Trunk maker	1	300	2 00	600 00	10
ROOFING (IRON, STEEL AND TIN)—7 ESTABLISHMENTS.					
Apprentice	1	302	75	226 50	8
Cornice cutter	1	302	3 50	1,057 00	8
Cornice makers	8	300	2 50	750 00	8
Drivers	2	301	1 75	526 75	10
Foreman	1	300	2 00	600 00	10
Helpers	13	303	1 43	433 29	8.5
Laborers (boys)	1	348	83	288 84	10
Mechanics	9	249	2 48	617 52	8
Roofers	12	276	2 20	607 20	8.5
Shipping clerks	2	348	2 13	741 24	10
Shop hands	2	300	1 50	450 00	10
Turners	29	300	2 47	741 00	8.1
SAFES, VAULTS AND LOCKS—6 ESTABLISHMENTS					
Apprentices	2	300	50	150 00	10
Blacksmiths	24	308	1 95	600 60	9.2
Box makers	8	312	2 00	624 00	9.5
Box nailer	1	312	1 05	327 60	9.5
Cabinet makers	9	307	2 00	614 00	9.3
Carpenters	11	309	2 42	747 78	9.3
Door makers	10	312	2 50	780 00	9.5
Drillers	12	312	1 25	390 00	9.5
Engineers	3	309	2 83	874 47	9.2
Iron straighteners	2	312	2 50	780 00	9.5

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

SAFES, VAULTS AND LOCKS—6 ESTABLISHMEETS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Iron workers (boys)	45	306	$1 25	$382 50	10
Laborers	43	309	1 82	562 38	9.4
Lathe hands	5	312	1 65	514 80	9.5
Lock setters	6	312	2 18	680 16	9.5
Locksmiths	15	308	1 89	582 12	9.3
Machinists	50	307	1 84	564 88	9.3
Molders	4	308	3 00	924 00	9
Ornamenters	4	312	2 75	858 00	9.5
Packers	2	306	1 50	459 00	10
Painters	80	308	2 30	708 40	9.3
Pattern makers	1	312	2 75	858 00	9.5
Plasterers	3	312	2 50	780 00	9.5
Platers	6	309	2 33	719 97	9.2
Polishers	10	308	1 93	594 44	9.3
Safe fillers	5	310	1 75	542 50	9.7
Safe makers	233	308	1 94	597 52	9.2
Sawyers	2	312	2 00	624 00	9.5
Watchman	1	308	1 75	539 00	9

SASH, DOORS, LUMBER AND INTERIOR FINISH—23 ESTABLISHMENTS.

Bench hands	63	300	2 51	753 00	9.2
Cabinet makers	18	300	2 42	726 00	8.9
Carpenters	183	301	2 92	878 92	8.2
Carpenters' helpers	1	365	75	273 75	10
Craters	4	300	1 50	450 00	10
Cutters	4	303	2 50	757 50	10
Drivers	42	304	1 61	489 44	9.9
Engineers	15	301	2 34	704 34	9.4
Firemen	7	302	1 52	459 04	8.3
Foremen	11	298	2 95	879 10	9
Glazier	1	365	1 75	638 75	10
Glaziers' helpers	2	365	75	273 75	10
Gluers	6	300	1 50	450 00	10
Helpers	12	307	1 03	316 21	10
Inspestors	5	301	2 50	752 50	10
Laborers	284	297	1 36	403 92	9.8
Laborers (boys)	8	300	1 00	300 00	9
Machine hands	88	300	2 45	735 00	9.4
Machine hands' helpers	14	305	1 19	362 95	9.7
Machinists	11	300	2 20	660 00	9
Mill hands	64	285	2 18	621 30	9.8
Millwright	1	307	2 25	690 75	10
Packers	10	303	1 56	472 68	10
Packers' helpers	4	307	1 15	353 05	10
Painters	2	365	1 50	547 50	10
Planers	8	305	1 19	362 95	10
Sash makers	2	365	1 25	456 25	10
Saw filer	1	307	2 50	767 50	10
Sawyers	40	303	2 42	733 26	9.4
Shipping clerks	13	365	1 54	562 10	10
Stair builders	8	300	2 25	675 00	8
Stair builders' helper	1	300	2 50	750 00	8
Stock keeper	1	307	1 83	561 81	10
Turners	13	300	2 04	612 00	9.9
Varnishers	4	300	1 66	498 00	10
Watchmen	4	318	1 62	515 16	11
Wood workers	2	300	2 50	750 00	10
Yard hands	30	301	1 57	472 57	9.8

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

SLAUGHTERING AND MEAT PACKING—17 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blacksmiths	17	215	$1 66	$356 90	10
Butchers	259	287	2 09	599 83	10
Butchers (boys)	11	215	1 00	215 00	10
Canners	21	276	1 48	408 48	10
Casing hands	25	215	2 00	430 00	10
Carpenters	8	215	2 00	430 00	10
Cellar hands	32	280	1 82	509 60	10
Drivers	56	275	1 87	514 25	10
Electrician	1	215	1 75	376 25	10
Engineers	24	303	2 71	821 13	10.1
Firemen	7	263	1 96	515 48	10.1
Foremen	2	300	2 50	750 00	10
Helpers	34	217	1 70	368 90	10
Hide hands	4	215	1 91	410 65	10
Hostler	1	300	2 00	600 00	10
Laborers	82	266	1 62	430 92	9.9
Laborers (boys)	1	282	67	188 94	10
Lard hands	12	273	2 14	584 22	10
Meat cutters	28	287	2 15	617 05	10
Oleomargarine makers	3	215	2 50	537 50	10
Packers	5	307	1 80	552 60	10
Pipe fitters	2	215	2 10	451 50	10
Salters	7	312	2 23	695 76	10
Sausage makers	81	284	2 24	636 16	9.9
Shipping clerks	16	300	1 86	558 00	10
Smokers	11	300	1 79	537 00	10
Solicitors	17	300	1 48	444 00	7
Stable hands	8	327	1 83	598 41	10
Store room hands	9	329	1 80	592 20	10
Tinner	1	215	2 25	483 75	10
Watchmen	7	255	1 94	494 70	10

SOAP, CANDLES AND TALLOW—17 ESTABLISHMENTS.

Blacksmiths	4	306	2 60	795 60	10
Bleach maker	1	309	2 00	618 00	9
Boilers	14	300	2 00	600 00	11
Carpenters	18	303	2 65	802 95	10
Coopers	6	300	2 00	600 00	10
Cutters	85	300	1 26	378 00	10
Drivers	8	301	1 71	514 71	10
Engineers	23	303	2 49	754 47	9.9
Firemen	6	303	1 68	509 04	10
Foremen	7	298	2 78	828 44	9.4
Helper	1	318	1 67	531 06	10
Laborers	707	305	1 72	524 60	10
Laborers (boys)	4	306	75	229 50	10
Locomotive crew	10	306	2 45	749 70	10
Machinists	11	306	3 22	985 32	10
Mill hands	5	304	1 20	364 80	10
Millwrights	4	306	3 75	1,147 50	10
Molders	34	300	1 50	450 00	10
Nailers	2	318	1 33	422 94	10
Packers	19	300	1 45	435 00	9.7
Pipe fitters	54	306	2 20	673 20	10
Pressers	44	302	1 72	519 44	10
Printers	6	305	2 00	610 00	10
Renderer	1	310	2 00	620 00	10
Shipping clerk	1	309	1 63	503 67	9
Soap makers	19	302	2 31	697 62	9.9
Teamsters	8	306	2 10	643 60	10
Watchmen	10	305	2 00	610 00	10.2
Wrappers	6	300	58	174 00	9.8

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

SODA AND MINERAL WATERS—12 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers	17	303	$1 78	$539 34	8.6
Bottle washers	15	301	1 22	367 22	8.8
Drivers	24	302	1 87	564 74	8.7
Foremen	2	304	2 50	760 00	8.5
Helpers	4	305	1 15	350 75	9.5
Hostlers	3	305	1 66	506 30	8.3
Labelers	2	300	70	210 00	10
Laborers	10	274	1 30	356 20	8.4
Shop hands	5	300	1 02	306 00	9
STENCILS, STAMPS AND SEALS—5 ESTABLISHMENTS.					
Die makers	5	303	2 40	727 20	9.2
Engineer	1	305	3 00	915 00	10
Engravers	2	305	2 50	762 50	10
Fireman	1	305	2 00	610 00	10
Foremen	2	300	3 25	975 00	8
Helpers	14	305	1 25	381 25	10
Machinists	2	306	2 00	612 00	10
Millwright	1	305	2 50	762 50	10
Polishers	5	305	2 00	610 00	10
Printers	2	306	1 75	535 50	10
Punchers	10	305	1 50	457 50	10
Stamp cutters	2	305	3 00	915 00	10
Stamp makers	2	323	2 00	646 00	9
Stencil boys	2	300	1 00	300 00	8
Stencil cutters	2	303	2 13	645 39	9
STONE (CUT, SAWED AND ARTIFICIAL)—4 ESTABLISHMENTS.					
Apprentice	1	225	2 50	562 50	8
Brick layers	15	230	4 50	1,035 00	8
Carpenter	1	230	2 00	460 00	9
Cutters	28	226	3 92	885 92	8
Drivers	5	223	1 75	390 25	8
Engineers	2	230	2 75	632 50	9.5
Foremen	3	255	3 00	765 00	10
Helpers	15	230	1 75	402 50	9
Laborers	38	241	2 22	535 02	9
Mill hands	3	230	2 00	460 00	10
STOVES, RANGES AND FURNACES—13 ESTABLISHMENTS.					
Apprentices	13	306	75	229 50	9
Blacksmiths	3	306	2 57	786 42	9
Buffers	6	305	1 65	503 25	10
Carpenters	4	298	2 97	865 06	9
Casting cleaners	5	280	1 50	420 00	9.5
Construction hands	11	305	1 48	451 40	10
Coppersmiths	4	306	3 00	918 00	9
Core makers	3	280	2 50	700 00	9.5
Craters	10	305	1 60	488 00	10
Cupola tenders	3	280	1 66	464 80	9.5
Draughtsmen	4	306	3 00	918 00	9
Drillers	2	306	1 75	535 50	9
Drivers	7	309	1 88	580 92	9.7
Engineers	9	289	2 36	682 04	9.2
Finishers	26	305	1 76	536 80	9.8
Fireman	1	306	2 00	612 00	9
Foremen	23	301	3 04	915 04	9
Furnace makers	8	308	2 50	770 00	9
Grinders	4	280	1 50	420 00	9.5
Helpers	25	306	1 14	348 84	9
Laborers	47	273	1 53	417 69	9.8
Laborers (boys)	45	306	75	229 50	10
Machinists	3	306	3 00	918 00	9.5
Mechanics	10	300	2 00	600 00	10

TABLE IV*c*—MANUFACTURES—CINCINNATI—Continued.

STOVES, RANGES AND FURNACES—13 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Molders	111	265	$2 83	$749 95	9.7
Molders' helpers	2	280	1 50	420 00	9.5
Mounters	74	289	2 11	609 79	9.2
Mounters helpers	5	280	1 66	464 80	9.5
Packers	3	306	1 50	459 00	9.5
Pattern filers	4	280	2 10	588 00	9.5
Pipe fitters	2	306	2 75	841 50	9
Plater	1	280	2 50	700 00	9.5
Polishers	8	289	2 18	630 02	9.3
Porters	8	308	1 93	594 44	9.6
Press hands	10	306	1 00	306 00	10
Range makers	35	306	2 24	685 44	9.2
Range makers' helpers	9	306	1 00	306 00	10
Riveters	2	280	1 50	420 00	9.5
Sheet iron workers	70	310	2 50	775 00	10
Shippers	6	306	2 12	648 72	9
Spinner	1	306	300	918 00	9
Testers	3	305	1 86	567 30	10
Tinners	122	305	2 16	658 80	9.2
Urn makers	3	306	3 33	1,018 98	9
Watchmen	2	293	1 71	501 03	9.7
TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—22 ESTABLISHMENTS.					
Apprentice	1	300	1 00	300 00	8
Blacksmith	1	303	2 50	757 50	9
Box makers	5	307	1 66	509 62	10
Buffer	1	304	1 50	456 00	10
Carpenter	1	300	2 25	675 00	9
Cleaners	2	300	1 66	498 00	10
Coaters	2	300	1 50	450 00	11
Die makers	2	300	2 25	675 00	10
Die setter	1	300	2 00	600 00	10
Drivers	5	300	1 94	582 00	9.8
Elevator hand	2	304	1 25	380 00	10
Engineers	3	303	2 77	839 31	10.6
Firemen	1	300	1 50	450 00	10
Foremen	13	302	2 60	785 20	9.6
Galvanizers	26	313	1 70	532 10	10
Helpers	35	303	1 43	433 29	8.6
Japanners	11	302	1 59	480 18	10
Laborers	31	305	1 47	448 35	9.8
Laborers (boys)	47	302	69	208 38	10
Lithographers	4	307	3 00	921 00	10
Machine hands	53	311	1 43	444 73	10
Machine hands (boys)	25	300	1 07	321 00	9.2
Machinists	14	307	2 53	776 71	9.5
Nailers	2	304	1 50	456 00	10
Oiler	1	304	1 00	304 00	10
Painters	31	306	79	241 74	9.9
Platers	2	300	1 50	450 00	10
Porters	19	303	1 52	460 56	9.9
Press hands	67	304	1 39	421 56	10
Retinners (boys)	9	304	83	252 32	10
Roofers	9	271	2 25	609 75	8
Sawyers	2	304	2 00	608 00	10
Shearers	18	307	1 50	460 50	10
Sheet-iron workers	46	301	1 94	583 94	8.6
Shopping clerks	2	320	2 25	720 00	10
Solderers	9	300	1 50	450 00	10
Stencilers	6	307	1 17	359 19	10
Stock keepers	2	304	1 25	380 00	10
Tinners	101	303	2 13	645 39	8.9
Tinners' helpers	19	300	1 08	324 00	10
Tool maker	1	300	2 00	600 00	10
Watchmen	3	303	1 85	560 55	9.6
Wood workers	2	300	1 75	525 00	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

TOBACCO (CHEWING AND SMOKING)—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bundlers	5	308	$1 00	$308 00	9
Cutters	3	302	2 11	637 22	9.3
Dippers	4	302	1 66	501 32	9
Driver	1	300	2 00	600 00	9
Engineers	2	300	2 50	750 00	9.5
Feeders	3	300	1 63	489 00	9
Foremen	2	304	2 50	760 00	9
Laborers	24	299	1 52	454 48	9.5
Mixer	1	308	1 83	563 64	9
Packers	5	300	1 33	399 00	9
Pickers	10	304	82	249 28	9
Sawyer	1	308	1 66	511 28	9
Stampers	12	302	1 22	368 44	9
Truckers	4	308	1 50	462 00	9
Watchman	1	300	1 83	549 00	9
Wringer hands	3	302	1 71	516 42	9
TOOLS—34 ESTABLISHMENTS.					
Apprentices	155	299	84	251 16	9.5
Bench hands	3	300	1 50	450 00	10
Blacksmiths	4	303	2 85	863 55	9.2
Carpenters	7	304	2 06	626 24	9.8
Case hardeners	2	299	2 00	598 00	9.5
Casting cleaners	8	299	1 55	463 45	9.5
Die makers	7	260	2 57	668 20	9.1
Draughtsmen	11	303	2 91	881 73	9.8
Drill press hands	40	295	1 78	525 10	9.1
Electrician	1	306	2 60	795 60	10
Emery wheel hands	2	306	2 12	648 72	10
Engineers	14	297	2 43	721 71	9.6
File cutters	9	300	1 50	450 00	8
Firemen	3	301	1 47	442 47	9.6
Foremen	4	270	3 27	882 90	9.1
Forgers	3	310	2 20	682 00	10
Gear cutters	8	305	1 00	305 00	9
Grinders	12	307	2 32	712 24	8.7
Helpers	58	297	1 48	439 56	9.3
Inspectors	5	299	2 00	598 00	9.5
Laborers	347	301	1 67	502 67	9.5
Laborers (boys)	10	300	97	291 00	8.9
Lathe hands	257	296	1 93	571 28	9.1
Machine hands	51	285	1 91	544 35	9.6
Machine hands (boys)	3	310	70	217 00	10
Machinists	878	299	2 28	681 72	9.3
Machinists' helpers	14	280	1 25	350 00	9.5
Mill hands (boys)	29	291	82	238 62	9
Millwright	4	299	2 00	598 00	9.6
Packers	4	299	1 70	508 30	9.5
Painters	31	296	1 71	506 16	9.3
Pattern makers	19	297	2 54	754 38	9
Planer hands	66	295	1 87	551 65	9
Polishers	13	305	1 90	579 50	9.8
Press hands	4	300	1 25	375 00	10
Saw makers	17	303	2 68	812 04	9
Scraper hands	8	299	1 99	595 01	9.5
Tool makers	30	299	2 62	783 38	9.5
Vise hands	195	295	2 25	663 75	9.3
Watchman	1	310	1 25	387 50	10
TRUNKS AND VALISES—7 ESTABLISHMENTS.					
Box nailers	5	240	1 90	456 00	10
Case maker	1	300	2 00	600 00	9
Coverers	2	170	2 00	340 00	8
Finishers	48	240	1 90	456 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

TRUNKS AND VALISES—7 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foreman	1	300	$2 50	$750 00	9
Helpers	4	240	1 45	348 00	10
Laborer (boy)	1	300	66	198 00	9
Machine hands	4	240	2 20	528 00	10
Trunk makers	73	292	1 84	537 28	9.9
Wood workers	2	170	2 00	340 00	8
WIRE RODS, WIRE CLOTH AND WIRE GOODS—4 ESTABLISHMENTS.					
Apprentices	3	300	1 25	375 00	9.5
Blacksmith	2	300	2 00	600 00	10
Brush makers	10	305	2 50	762 50	10
Foreman	1	300	2 00	600 00	10
Helpers	4	300	1 00	300 00	10
Laborers	2	300	1 50	450 00	10
Laborers (boys)	2	300	1 00	300 00	9.5
Wire workers	37	290	1 77	513 30	9.9
MISCELLANEOUS—40 ESTABLISHMENTS.					
Assorters	2	306	3 00	918 00	10
Bakers	8	310	1 50	465 00	10
Baseball makers	12	300	1 50	450 00	9.5
Basket makers	2	300	1 00	300 00	10
Batting preparers	11	289	99	286 11	10
Brick masons	10	300	5 00	1,500 00	8
Brick masons' helpers	10	300	1 75	525 00	8
Buffing wheel makers	2	300	2 00	600 00	9
Butter workers	2	305	1 75	533 75	10
Carpenters	40	314	2 69	844 66	8
Carvers	5	300	3 00	900 00	10
Casters	9	64	2 00	128 00	9
Churn master	1	305	4 00	1,220 00	10
Churn master's assistant	1	305	2 50	762 50	10
Cloth examiners	2	313	1 67	522 71	9
Cloth roller	1	313	1 67	522 71	9
Coopers	2	310	2 08	644 80	9
Cushion filler	1	500	50	150 00	10
Cutters	15	272	1 36	369 92	9.7
Designer	1	245	3 50	857 50	9
Draughtsmen	3	315	3 00	945 00	10
Drivers	7	266	1 70	452 20	9.8
Engineers (architectural)	2	315	5 23	1,647 45	10
Engineers	70	342	2 90	991 80	11.4
Finishers	5	306	3 25	994 50	10
Firemen	93	363	2 14	776 82	11.9
Foremen	15	300	3 41	1,023 00	9.7
Frame makers	8	260	1 25	325 00	9
Furrier	1	300	3 66	1,098 00	9
Gluers	2	302	1 62	489 24	10
Grader	1	300	2 50	750 00	10
Helpers	5	300	1 40	420 00	9.6
Iron workers	7	300	2 57	771 00	10
Jointers	4	302	2 00	604 00	10
Laborers	1,107	343	1 69	579 67	9.9
Laborers (boys)	22	303	86	260 58	9.3
Linemen	65	365	2 25	821 25	10
Machine hands	20	304	230	699 20	9.2
Machine hands (boys)	5	302	60	181 20	10
Machinists	11	291	2 13	619 83	9.9
Matrix makers	3	306	3 25	994 50	9
Mechanics	118	355	2 24	795 20	9.9
Meter hands	35	365	2 60	949 00	10
Milk hands	2	305	3 00	915 00	10
Millers	4	300	2 00	600 00	10
Millwrights	2	300	2 00	600 00	10
Mixers	2	306	3 00	918 00	10

TABLE IV*c*—MANUFACTURES—CINCINNATI—Continued.

MISCELLANEOUS—40 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Model makers	6	103	$3 75	$ 386 25	9.1
Mold maker	1	306	4 00	1,224 00	9
Packers	5	111	1 60	177 60	9
Pad maker	1	289	2 10	606 90	10
Painters	11	128	2 00	256 00	9.2
Pattern maker	1	300	3 50	1,050 10	10
Pavers	20	365	2 35	857 75	12
Pencilcase makers	9	300	3 00	900 00	10
Pen makers	14	300	4 00	1,200 00	10
Plumbers	6	306	3 50	1,071 00	8
Plumbers' helpers	6	306	1 50	459 00	8
Porters	2	300	1 30	390 00	9.5
Pottery hands	4	290	1 60	464 00	10
Pressman	1	300	2 50	750 00	9.8
Printer	1	300	2 00	600 00	9.8
Punch cutter	1	306	4 00	1,224 00	9
Reed workers	3	220	1 75	385 00	10
Roll makers	6	305	1 75	533 75	10
Rubber workers	12	300	2 25	675 00	10
Rug makers	2	300	2 00	600 00	10
Rulemakers	2	306	2 50	765 00	9
Sanders	6	64	1 75	112 00	9
Sawyers	2	300	2 50	750 00	10
Scourers	4	300	2 50	750 00	10
Shipping clerks	5	285	1 60	456 00	10
Spinners	40	260	1 10	286 00	10
Steam fitters	9	306	3 30	1,009 80	8
Steam fitters' helpers	9	306	2 00	612 00	8
Stock keepers	1	64	1 50	96 00	9
Stone dressers	4	300	1 75	525 00	10
Switchboard tenders	3	365	2 40	876 00	12
Tanners	3	300	1 85	555 00	9.5
Teamster	1	305	1 67	509 35	10
Timekeeper	1	315	1 50	472 50	10
Tinner	1	22	2 25	49 50	9.5
Trimmers	20	361	1 81	653 41	10
Turners	4	300	2 75	825 00	10
Type casters	20	306	3 00	918 00	9
Type makers	32	306	2 00	612 00	9
Vise hands	6	290	1 50	435 00	10
Watchmen	5	304	2 00	608 00	10
Wrappers	3	305	1 25	381 25	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
ADVERTISING NOVELITIES AND SIGNS—3 ESTABLISHMENTS.					
Laborers	58	308	$ 65	$200 20	9.3
Pasters	6	130	50	65 00	9
Printers	10	308	65	220 00	9.3
Sign makers	15	300	90	270 00	10
AWNINGS, TENTS AND FLAGS— 7 ESTABLISHMENTS.					
Awning makers	2	306	1 50	459 00	10
Basters	3	232	67	155 44	10
Feeders	4	360	1 00	360 00	10
Finishers	30	312	60	187 20	10
Folders	4	360	1 00	360 00	10
Forelady	1	232	1 00	232 00	10
Helpers	2	300	95	285 00	10
Seamstresses	33	298	99	295 02	10
Stickers	8	360	1 25	450 00	10
Wood workers	3	312	68	212 16	10
BAGS (PAPER AND BURLAP)—5 ESTABLISHMENTS.					
Bag makers	12	289	75	216 75	10
Box makers	3	289	1 50	433 50	10
Finishers	6	310	80	248 00	10
Machine tenders	4	310	80	248 00	10
Pasters	7	312	83	258 96	9
Piece workers	5	310	1 00	310 00	10
Press feeders	3	310	1 00	310 00	10
Printers	16	300	82	246 00	10
Sack makers	17	312	87	271 44	10
Sewers	10	313	78	243 14	9
BILLIARD TABLES, BAR AND STORE FIXTURES—1 ESTABLISHMENT.					
Casing cleaners	2	308	1 00	308 00	9
BOOTS AND SHOES—26 ESTABLISHMENTS					
Apprentices	2	300	40	120 00	9.5
Bottomer	1	300	25	75 00	10
Cleaners	100	282	76	214 32	10
Cutters	5	300	50	150 00	10
Finishers	5	300	83	249 00	10
Fitters	2,351	275	1 03	283 25	9.9
Foreladies	2	312	2 00	624 00	10
Helpers	10	300	60	180 00	10
Lacers	72	276	75	207 00	9.9
Packers	270	278	80	222 40	10
Seamers	10	300	1 00	300 00	10
Stitchers	28	260	1 02	265 20	10
Treerers	16	295	1 10	324 50	10
Vampers	2	300	1 00	300 00	10
BOXES (PAPER)—7 ESTABLISHMENTS.					
Box makers	145	302	81	244 62	10
Finishers	130	305	69	210 45	10
Helpers	60	308	46	141 68	9.9
Laborers	26	302	92	277 84	10
Machine hands	63	306	77	235 62	9.9
Pasters	10	300	75	225 00	10
Staying machine hands	4	310	1 00	310 00	10
BOXES (WOODEN)—4 ESTABLISHMENTS.					
Hinger	1	300	75	225 00	9
Pasters	75	298	84	250 32	9.7
Trimmers	30	308	90	277 20	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

BREAD AND OTHER BAKERY PRODUCTS—11 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bakers	4	340	$ 72	$244 80	10.5
Clerks	188	310	75	232 50	10
Cook	1	300	75	225 00	8
Helpers	94	304	60	182 40	10
Icers and ornamenters	37	310	73	226 30	10
Janitress	1	307	1 00	307 00	8
Packers	106	305	88	268 40	10
Wrappers	18	307	80	245 60	9
BROOMS AND BRUSHES—3 ESTABLISHMENTS.					
Brush makers	8	292	80	233 60	8.8
CARRIAGES AND WAGONS—19 ESTABLISHMENTS					
Machine hands	3	292	1 06	309 52	9.4
Pasters	2	290	65	188 50	9.7
Seamstress	1	300	83	249 00	8
Trimmers	100	269	1 10	295 90	9.2
Japanners	3	300	1 00	300 00	9
Lamp cleaners	3	300	75	225 00	9
Stitchers	2	300	75	225 00	9
CARRIAGE AND WAGON MATERIALS—2 ESTABLISHMENTS.					
Machine operators	5	300	75	225 00	9
CIGARS—30 ESTABLISHMENTS.					
Bunch breakers	340	298	1 18	351 64	9.1
Cigar makers	56	297	1 73	513 81	8.1
Laborers	19	301	1 00	301 00	8.7
Packers	60	302	1 24	374 48	9.5
Rollers	938	299	1 20	358 80	9.3
Stampers	2	303	1 00	303 00	10
Strippers	475	294	70	205 80	8.8
CLOTHING—124 ESTABLISHMENTS.					
Back makers	3	278	92	255 76	8
Band makers	2	278	1 10	305 80	8
Bushelers	4	318	95	302 10	9
Buttonhole makers	5	275	1 11	305 25	8.5
Cloak makers	59	281	1 42	399 02	8.5
Coat makers	199	303	1 30	393 90	9
Collar maker	1	278	92	255 76	8
Cuff maker	1	278	92	255 76	8
Cutters	6	284	1 83	519 72	9.3
Embroidery hands	15	281	89	250 09	8.5
Examiners	10	299	82	245 18	8.6
Fellers	3	278	1 10	305 80	8
Finishers	114	303	1 00	303 00	9.3
Finishers' helpers	25	312	1 00	312 00	9
Folders	15	306	87	266 22	9.7
Foreladies	6	287	1 93	553 91	8.7
Front makers	3	278	1 00	278 00	8
Helpers	105	290	52	150 80	9
Hemmer	1	278	92	255 76	8
Joiners	3	278	92	255 76	8
Machine operators	1,195	288	1 23	354 24	9
Markers	2	300	75	225 00	9
Pant makers	159	301	1 20	361 20	9.1
Piece workers	25	308	1 25	385 00	9
Pressers	7	290	1 13	327 70	9
Receivers	4	307	1 75	537 25	9.5
Seamstresses	1,295	298	1 01	300 98	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

CLOTHING—124 ESTABLISHMENTS—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Shirt makers	116	288	$0 99	281 16	8.9
Sleeve makers	4	278	92	255 76	8
Tackers	8	306	1 00	306 00	10
Tailoresses	503	276	1 16	320 16	8.8
Tassel makers	5	308	1 00	308 00	9
Ticket hands	10	304	1 00	304 00	9
Trimmers	45	306	93	284 58	9.7
Vest makers	140	304	1 18	358 72	9.1
Weaver	1	308	1 25	385 00	9
COFFEE, BAKING POWDER AND SPICES—7 ESTABLISHMENTS.					
Extract makers	3	310	75	232 50	9
Foreladies	3	307	1 17	359 19	9.3
Helper	1	306	60	183 60	10
Labelers	9	306	88	269 28	10
Packers	34	307	1 29	396 03	9.2
Powder makers	14	307	80	245 60	8.2
Roasters	2	306	1 00	306 00	8
Washer	1	306	67	205 02	10
COFFINS AND BURIAL CASES—2 ESTABLISHMENTS.					
Cloth workers	16	305	1 19	362 95	8.8
Janitress	1	317	1 00	317 00	8.5
Metal workers	22	300	90	270 00	9
Packers	6	317	1 25	396 25	8.5
Sewers	39	304	1 20	364 80	8.8
CONFECTIONERY—13 ESTABLISHMENTS.					
Candy makers	62	310	80	248 00	9.9
Clerks	9	301	1 01	304 01	9.5
Dippers	34	290	67	194 30	9.4
Forelady	1	300	83	249 00	10
Helpers	2	300	75	225 00	9
Janitress	1	333	50	166 50	5
Packers	183	298	71	211 38	10
Wrappers	23	296	70	207 20	9.5
COPPER AND BRASS GOODS—5 ESTABLISHMENTS.					
Burnishers	9	291	1 03	299 73	8.4
Core hands	20	296	75	222 00	10
Laborers	2	280	46	128 80	9
Lacquerers	12	296	90	266 40	9.8
Packers	2	304	1 25	380 00	9
Wrappers	12	300	50	150 00	10
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—7 ESTABLISHMENTS.					
Ballers	2	300	54	162 00	10
Braiders	9	300	75	225 00	10
Brushers	5	300	50	150 00	10
Carders	29	241	71	171 11	10
Finishers	8	305	1 00	305 00	8.7
Foreladies	2	300	1 35	405 00	10
Knitters	65	303	91	275 73	9.4
Machine hands	45	300	1 17	351 00	10
Menders	12	300	75	225 00	10
Packers	15	304	93	282 72	9.4
Reeler	1	300	62	186 00	10
Soapers	20	300	1 25	375 00	10
Spinners	20	300	70	210 00	10
Spoolers	19	300	66	198 00	10
Transferers	18	300	1 00	300 00	10
Trimmers	3	300	62	186 00	10
Twisters	4	300	62	186 00	10
Winders	13	300	80	240 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—8 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers	3	300	$ 57	$ 171 00	9
Finishers	50	300	75	225 00	10
Folders	5	300	66	198 00	10
Labelers	9	305	76	231 80	9
Laborers	4	301	1 03	310 03	8.7
Machine hands	8	300	66	198 00	10
Packers	3	300	57	171 00	9
Pill makers	16	300	75	225 00	10
Sewers	8	300	66	198 00	10
Shipping clerk	1	300	80	240 00	10
Wrappers	3	309	84	259 56	10
ELECTRICAL GOODS AND SUPPLIES—3 ESTABLISHMENTS.					
Armature winders	2	295	75	221 25	10
Core maker	1	300	1 35	405 00	8
Winders	43	307	67	205 69	9
EXTRACTS, TOILET ARTICLES AND PERFUMERY—3 ESTABLISHMENTS.					
Bottlers	3	300	1 00	300 00	9.5
Boxers	2	300	1 00	300 00	9.5
Labelers and fillers	7	282	97	273 54	9.2
FLOURING MILL PRODUCTS—2 ESTABLISHMENTS.					
Laborers	3	292	1 00	292 00	10
Packers	2	275	1 00	275 00	12
FURNITURE—15 ESTABLISHMENTS.					
Caners	14	297	89	284 33	9.5
Cloak makers	25	308	1 25	385 00	9.5
Helper	1	300	1 00	300 00	10
Letter file makers	100	292	90	262 80	10
Machine hands	9	299	1 00	299 00	10
Seamstresses	17	302	1 04	314 08	9.6
Umbrella makers	15	300	1 00	300 00	10
Upholsters	10	307	1 00	307 00	9.5
GLASS AND GLASSWARE—3 ESTABLISHMENTS.					
Apprentices	22	200	1 00	200 00	8
Cap makers	40	300	75	225 00	10
Case fillers	10	300	60	180 00	10
Packers	10	300	75	225 00	10
Sorters	14	302	60	181 20	10
Wrappers	20	300	75	225 00	10
HARDWARE—1 ESTABLISHMENT.					
Wrapper	1	305	60	183 00	10
HARNESS AND SADDLERY—3 ESTABLISHMENTS.					
Coverer	1	300	1 00	300 00	9
Machine hands	2	307	1 00	307 00	8
Saddlers	3	301	1 10	331 10	10
HATS, CAPS AND FURNISHINGS—13 ESTABLISHMENTS.					
Apprentices	4	300	60	180 00	8.8
Cap makers	82	345	1 45	500 25	8.9
Embroidery hand	1	300	1 00	300 00	8
Finishers	7	302	90	271 80	9
Foreladies	4	300	3 26	978 00	10
Garter makers	3	285	90	256 50	9.5

TABLE IV*c*—MANUFACTURES—CINCINNATI—Continued.

HATS, CAPS AND FURNISHINGS—13 ESTABLISHMENTS—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Hat makers	155	300	$0 81	$243 00	10
Machine hands	74	295	1 45	427 75	9
Milliners	10	312	1 25	390 00	10
Packers	2	290	1 00	290 00	9
Seamstresses	155	292	91	265 72	8.7
Suspender makers	18	345	1 02	351 90	8.9
Trimmers	78	282	1 53	431 46	9.7
JEWELRY AND WATCHES—9 ESTABLISHMENTS.					
Jeweler	1	260	80	208 00	10
Polishers	20	311	1 20	373 20	9.7
LEATHER AND LEATHER GOODS—2 ESTABLISHMENTS.					
Janitress	1	302	1 12	338 24	8
Laborers	3	305	1 00	305 00	10
LIQUORS (DISTILLED)—8 ESTABLISHMENTS.					
Bottlers	57	308	85	261 80	9.9
Cherry pickers	20	300	1 00	300 00	9
Labellers	68	303	82	248 46	9.5
Laborers	136	326	60	195 60	9.9
LIQUORS (MALT)—2 ESTABLISHMENTS.					
Cleaners	2	307	54	165 78	2.7
LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—7 ESTABLISHMENTS.					
Binders	6	306	1 00	306 00	8.2
Cutter	1	300	1 00	300 00	9
Forelady	1	350	1 00	350 00	10
Gilders	3	303	1 00	303 00	8
Laborers	28	331	69	228 39	9.6
Wrappers	2	300	75	225 00	9
MACHINERY—1 ESTABLISHMENT.					
Janitress	1	300	1 00	300 00	9
MATTRESSES AND PILLOWS—5 ESTABLISHMENTS.					
Foreladies	2	309	2 00	618 00	9.5
Laborers	70	309	75	231 75	9.5
Seamstresses	5	304	1 01	307 04	9.8
Wire weavers	24	275	88	242 00	8
MOULDINGS AND FRAMES—3 ESTABLISHMENTS.					
Clerk	1	306	1 00	306 00	9
Veneerers	7	279	95	265 05	10
Wrappers	8	196	52	101 92	9
OIL CLOTH AND WINDOW SHADE CLOTH—1 ESTABLISHMENT.					
Tackers	38	250	1 00	250 00	10
PAINTS AND VARNISHES—2 ESTABLISHMENTS.					
Labelers	5	300	88	264 00	8.9
PATTERNS AND MODELS—1 ESTABLISHMENT.					
Stampers	2	310	1 00	310 00	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

PIANOS AND OTHER MUSICIAL INSTRUMENTS—1 ESTABLISHMENT.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers	7	305	$1 00	$305 00	10
PICKLES, PRESERVES AND SAUCES—6 ESTABLISHMENTS.					
Bottlers	89	293	67	196 31	10
Helpers	44	225	84	189 00	10
Labelers	74	295	65	191 75	10
Packers	30	300	75	225 00	10
PLATING—1 ESTABLISHMENT.					
Helpers	2	300	1 00	300 00	8
PLUMBING, STEAM AND GAS FITTING SUPPLIES—1 ESTABLISHMENT.					
Core makers	5	300	1 00	300 00	10
POTTERY AND STONEWARE—2 ESTABLISHMENTS.					
Decorators	25	296	2 30	680 00	7.5
Warehouse hands	2	68	75	51 00	10
PRINTING AND BINDING—49 ESTABLISHMENTS.					
Binders	259	297	1 15	341 55	9.1
Box makers	136	310	80	248 00	10
Clerk	1	306	1 00	306 00	8
Coaters	93	310	81	251 10	9
Compositors	110	309	88	271 92	9
Counters	4	280	1 06	296 80	8.5
Cutters	171	310	80	248 00	9
Embossers	62	304	75	228 00	9
Finishers	41	310	79	244 90	9
Folders	58	299	99	296 01	9.1
Forelady	1	300	1 25	375 00	10
Gatherers	350	309	73	225 57	9
Gold leaf layers	1	300	1 16	348 00	9.7
Janitresses	2	308	87	267 96	9.5
Laborers	11	300	95	285 00	9.2
Machine hands	2	300	1 10	330 00	9.7
Mailer	1	308	83	255 64	9.5
Pasters	21	301	75	225 75	9
Platers	2	300	1 10	330 00	9.7
Pouch makers	13	280	65	182 00	9
Press feeders	14	303	1 11	306 33	9.3
Sewers	27	301	1 21	364 21	9.3
PUMPS AND WATER WHEELS—1 ESTABLISHMENT.					
Core makers	13	307	90	276 30	10
REGALIA—8 ESTABLISHMENTS.					
Banner makers	3	304	1 20	364 80	10
Cap and helmet makers	15	300	1 25	375 00	10
Coat and pant makers	17	300	1 00	300 00	10
Costume makers	12	304	1 20	364 80	10
Crown makers	3	304	1 10	334 40	10
Embroidery hands	76	299	1 28	382 72	9
Errand girls	4	304	75	228 00	10
Flag and badge makers	15	300	1 00	300 00	10
Forelady	1	210	2 00	420 00	9
Gold leaf layers	3	300	1 00	300 00	8.5
Lantern slide maker	1	300	1 00	300 00	8
Leather worker	1	300	1 00	300 00	10
Machine hands	19	288	1 07	308 16	9.7
Painter	1	300	1 00	300 00	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.

REGALIA—8 ESTABLISHMENTS—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pressers	3	304	$1 00	$304 00	10
Regalia makers	45	299	1 06	316 94	9.7
Seamstresses	7	225	1 00	225 00	9
Tailoresses	16	304	1 20	364 80	10
Trimmer	1	153	1 00	153 00	10
SLAUGHTERING AND MEAT PACKING—3 ESTABLISHMENTS.					
Canners	21	243	75	182 25	10
SOAP, CANDLES AND TALLOW—11 ESTABLISHMENTS.					
Box makers	88	305	71	216 55	10
Forelady	1	300	1 60	480 00	10
Laborers	67	305	60	183 00	9.9
Molders	24	300	85	255 00	10
Packers	261	304	83	252 32	9.9
Wrappers	176	304	71	215 84	10
STENCILS, STAMPS AND SEALS—1 ESTABLISHMENT.					
Laborers	4	306	75	229 50	10
STOVES, RANGES AND FURNACES—1 ESTABLISHMENT.					
Machine hands	2	306	1 25	382 50	9
TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—3 ESTABLISHMENTS.					
Foreladies	2	302	1 25	377 50	10
Japanners	3	304	83	252 32	10
Machine hands	30	307	75	230 25	10
Packers	12	307	60	184 20	10
Solderers	38	302	1 00	302 00	10
Stamp press hands	20	305	94	286 70	10
Wrappers	5	304	83	252 32	10
TOBACCO (CHEWING AND SMOKING)—5 ESTABLISHMENTS.					
Forelady	1	305	1 15	350 75	8
Packers	110	303	1 37	415 11	9
Stamper	1	305	70	213 50	8
Tobacco worker	1	275	1 00	275 00	7
TRUNKS AND VALISES—2 ESTABLISHMENTS.					
Finishers	4	240	90	216 00	10
Trunk makers	10	290	75	217 50	10
MISCELLANEOUS—16 ESTABLISHMENTS.					
Baseball sewers	10	300	1 00	300 00	9.5
Baseball stuffers	5	300	55	165 00	9.5
Comfort makers	18	289	83	239 87	10
Cotton pad makers	6	289	82	236 98	10
Embroidery hands	8	245	1 25	306 25	9
Finishers	2	300	1 37	411 00	9.5
Foundry hands	3	306	1 50	459 00	9
Labelers	20	300	1 00	300 00	6
Laborers	57	304	64	194 56	9.1
Machine hands	21	286	1 07	306 02	9.3
Packers	16	283	54	152 82	9.8
Painters	4	64	75	48 00	9
Pencil case maker	1	300	1 00	300 00	9.7
Pen makers	2	300	1 00	300 00	9.7

TABLE IV*c*—MANUFACTURES—CINCINNATI—Concluded.

MISCELLANEOUS—16 ESTABLISHMENTS—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Press hands	8	310	$ 60	$ 186 00	10
Rubber makers	3	300	1 00	300 00	9.7
Sanders	8	64	50	32 00	9
Seamstresses	41	266	84	223 44	8.5
Spinners	30	260	80	208 00	10
Wrappers	3	286	67	191 62	10

TABLE IV*cc*—MANUFACTURES—CINCINNATI.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Bags (paper and burlap)	Foreman	1	21	.....
,, ,, ,, ,,	Machine hands	4	5	.....
,, ,, ,, ,,	Press hands	6	10	.....
,, ,, ,, ,,	Printers	8	5.5	.....
Billiard tables, bar and store fixtures	Cabinet makers	73	7	.....
,, ,, ,, ,, ,, ,,	Casing cleaners	3	5	.....
,, ,, ,, ,, ,, ,,	Drill hands	1	5	.....
,, ,, ,, ,, ,, ,,	Drivers	1	10	.....
,, ,, ,, ,, ,, ,,	Engineers	2	12.5	.....
,, ,, ,, ,, ,, ,,	Filler	1	10	.....
,, ,, ,, ,, ,, ,,	Finishers	10	10	.....
,, ,, ,, ,, ,, ,,	Fireman	1	10	.....
,, ,, ,, ,, ,, ,,	Foremen	3	10	.....
,, ,, ,, ,, ,, ,,	Glaziers	5	10	.....
,, ,, ,, ,, ,, ,,	Laborer	1	10	.....
,, ,, ,, ,, ,, ,,	Machine hands	8	10	.....
,, ,, ,, ,, ,, ,,	Machinist	1	2	.....
,, ,, ,, ,, ,, ,,	Packers	3	5	.....
,, ,, ,, ,, ,, ,,	Rubber	1	10	.....
,, ,, ,, ,, ,, ,,	Show case makers	8	10	.....
,, ,, ,, ,, ,, ,,	Up-fitter	1	10	.....
,, ,, ,, ,, ,, ,,	Varnishers	11	14.5	.....
Boilers, engines and tanks	Apprentices	9	5.3	.....
,, ,, ,, ,,	Blacksmiths	4	5.2	.....
,, ,, ,, ,,	Blacksmiths' helpers	3	4	.....
,, ,, ,, ,,	Boiler makers	16	9.5	.....
,, ,, ,, ,,	Carpenter	1	4	.....
,, ,, ,, ,,	Carpenter	1	.....	12.5
,, ,, ,, ,,	Coppersmith	1	4	.....
,, ,, ,, ,,	Drill press hands	3	5	....
,, ,, ,, ,,	Engineers	2	6.5	.....
,, ,, ,, ,,	Errand boys	2	4	.....
,, ,, ,, ,,	Helpers	23	9	.....
,, ,, ,, ,,	Hostler	1	4	.....
,, ,, ,, ,,	Laborers	15	4	.....
,, ,, ,, ,,	Lathe hands	8	8	.....
,, ,, ,, ,,	Machinists	39	4.3	.....
,, ,, ,, ,,	Molders	4	4	.....
,, ,, ,, ,,	Molders' helpers	2	4	.....
,, ,, ,, ,,	Painter	1	37.5	....
,, ,, ,, ,,	Pattern maker	1	4	.....
,, ,, ,, ,,	Pipe fitters	3	4	.....
,, ,, ,, ,,	Pipe fitters' helpers	4	4	.....
,, ,, ,, ,,	Planer hand	1	12.5	.....
,, ,, ,, ,,	Plater	1	4	.....
,, ,, ,, ,,	Polishers	4	4	.....
,, ,, ,, ,,	Stock keepers	2	4	.....
,, ,, ,, ,,	Time keepers	2	4	.....
,, ,, ,, ,,	Vise hands	8	.....	6
Boots and Shoes	Bottomers	33	5	.....
,, ,, ,,	Cutters	20	5	.....
,, ,, ,,	Finishers	4	6	.....
,, ,, ,,	Fitters	15	5	.....
,, ,, ,,	Lasters	12	2.5	.....
,, ,, ,,	Packers	10	5	.....
,, ,, ,,	Sorters	2	.....	10
,, ,, ,,	Stock hands	3	2.5	.....
Boxes (paper)	Cutters	3	12.3	.....
,, ,,	Gluers	3	5	.....
,, ,,	Helpers	14	10	.....
,, ,,	Tube rollers	2	10	.....
Boxes (wooden)	Box makers	15	5	.....
,, ,,	Drivers	4	5	.....
,, ,,	Engineer	1	5	.....
,, ,,	Helpers	8	5	.....
,, ,,	Nailers	6	4	.....
,, ,,	Planers	2	5	.....
,, ,,	Printer	1	5	.....
,, ,,	Sawyers	17	7.1	.....
Bread and other bakery products	Bakers	40	8.2	.....
,, ,, ,, ,, ,,	Candy makers	2	20	.....
,, ,, ,, ,, ,,	Clerks	48	10	.....

TABLE IV*cc*—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Bread and other bakery products	Drivers	35	10	.....
" " " " "	Foremen	62	10	.....
" " " " "	Laborers	60	8.9	.....
" " " " "	Packer	1	20	.....
Brick and tile	Brick makers	40	7	.....
" " "	Burners	9	10	.....
" " "	Cart hands	8	10	.....
" " "	Dumpers	3	10	.....
" " "	Elevator hand	1	10	.....
" " "	Engineers	3	10	.....
" " "	Fireman	1	10	.....
" " "	Foreman	1	3	.....
" " "	Loaders	24	10	.....
" " "	Machine hands	3	10	.....
" " "	Off-bearers	6	10	.....
" " "	Pitchers	6	10	.....
" " "	Pug mill hands	2	10	.....
" " "	Setters	6	10	.....
" " "	Steam shovel hands	5	10	.....
" " "	Tile makers	8	11	.....
Brooms and brushes	Buncher	1	10	.....
" " "	Sorters	4	10	.....
Bungs	Laborers (boys)	12	.....	10
"	Machine hands	5	.....	5
Carriages and wagons	Blacksmiths	17	8.1	.....
" " "	Blacksmiths' helpers	8	6.7	.....
" " "	Foremen	10	10	.....
" " "	Horse shoer	1	20	.....
" " "	Laborers	30	10	.....
" " "	Mounters	7	5	.....
" " "	Painters	56	8.2	.....
" " "	Trimmers	57	8.5	.....
" " "	Warehouse hands	20	10	.....
Carriage and wagon materials	Wood workers	14	9.3	.....
" " " "	Laborers	27	10	.....
" " " "	Machine hands	30	5	.....
" " " "	Wood workers	40	5	.....
Cigars	Caser	1	20	.....
"	Packers	3	5	.....
Clothing	Coat makers	6	13.3	.....
"	Cutters	130	8.7	.....
"	Elevator hands	2	7.5	.....
"	Elevator hands	2	.....	30
"	Engineer	1	7.5	.....
"	Engineer	1	.....	9
"	Examiners	7	.....	17.4
"	Fitters	9	7.5	.....
"	Folders	2	20	.....
"	Foreman	1	10	.....
"	Machine hands	50	5	.....
"	Packers	5	6.5	.....
"	Pant makers	4	15	.....
"	Porter	1	3	.....
"	Pressers	4	7.5	.....
"	Stock keepers	29	16.2	.....
"	Stock keepers	15	.....	6
"	Tailors	43	11.1	.....
"	Tailors	26	.....	8
"	Trimmers	11	8.9	.....
"	Vest makers	4	15	.....
Coffee, baking powder and spices	Baking powder makers	2	13	.....
" " " "	Packers	9	10	.....
" " " "	Porters	2	14	.....
Confectionery	Candy makers	31	9.2	.....
"	Candy makers' helpers	49	9.1	.....
"	Engineer	1	25	.....
"	Machine hands	7	25	.....
"	Porter	1	11	.....
Cooperage	Coopers	47	12.8	.....
Copper and brass goods	Apprentices	2	33	.....
" " " "	Core makers	7	11	.....
" " " "	Drivers	2	7	.....

TABLE IV*cc*—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Copper and brass goods	Engineers	3	10	.....
" " " "	Engravers	2	4	.....
" " " "	Finishers	89	10.9	.....
" " " "	Fireman	1	7	.....
" " " "	Grinders	5	8	.....
" " " "	Laborers	21	11.4	.....
" " " "	Molders	20	9.4	.....
" " " "	Mounters	14	5	.....
" " " "	Packers	10	9.4	.....
" " " "	Pattern makers	9	9.2	.....
" " " "	Platers' helpers	19	15.3	.....
" " " "	Polishers	30	7	.....
" " " "	Silversmiths	4	5	.....
" " " "	Spinners	7	4	.....
" " " "	Vise hands	30	7	.....
" " " "	Watchmen	3	9.7	.....
Drugs, chemicals and druggists' sundries	Filler	1	10	.....
" " " " "	Helper	1	10	.....
" " " " "	Laborers	2	11	.....
" " " " "	Stillman	1	15	.....
Electrical goods and supplies	Machinists	10	10	.....
" " " "	Repairers	5	2	.....
" " " "	Wiremen	6	9.1	.....
Elevators and hoisting machinery	Blacksmiths	2	10	.....
" " " "	Erectors	5	10	.....
" " " "	Machinists	18	10	.....
Extracts, toilet articles and perfumery	Laborers	9	12.8	.....
" " " " "	Porter	1	15	.....
Foundry and machine shop products	Apprentices	24	9	.....
" " " " "	Carpenter	1	15	.....
" " " " "	Chippers	4	4.9	.....
" " " " "	Core makers	12	12.5	.....
" " " " "	Cupola hands	8	6.9	.....
" " " " "	Engineers	4	13.1	.....
" " " " "	Helpers	49	8.3	.....
" " " " "	Laborers	26	4.6	.....
" " " " "	Machinists	16	10	.....
" " " " "	Molders	414	10.3	.....
" " " " "	Pattern maker	1	10	.....
" " " " "	Watchman	1	2	.....
" " " " "	Yard hands	4	12.5	.....
Furniture	Assemblers	3	10	.....
"	Buffers	15	16	.....
"	Cabinet makers	58	10.9	.....
"	Carvers	10	9.5	.....
"	Chair makers	6	20	.....
"	Engineers	2	12.5	.....
"	Finishers	8	5	.....
"	Iron bed makers	14	10	.....
"	Laborers	15	10	.....
"	Laborers (boys)	5	20	.....
"	Lacquerers	3	10	.....
"	Machine hands	26	7.4	.....
"	Machinists	6	10	.....
"	Mill hands	12	10	.....
"	Molder	1	10	.....
"	Packers	14	9.3	.....
"	Plater	1	20	.....
"	Shipping clerks	2	10	.....
"	Teamster	1	10	.....
"	Up-fitter	1	10	.....
"	Upholsterers	14	15	.....
"	Varnishers	21	13.1	.....
"	Wood workers	12	18.3	.....
Glass and glassware	Cementers	3	8	.....
" " "	Cutters	6	10	.....
" " "	Glazers	8	10	.....
Hardware	Assemblers	3	2	.....
"	Engineer	1	13	.....
"	Platers	3	14	.....
Harness and saddlery	Collar makers	58	3	.....

TABLE IV*cc*—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Harness and saddlery	Harness makers	194	5.6	.....
" " "	Machine hands	10	40	.....
" " "	Saddle makers	38	2.8	.....
Hats, caps and furnishings	Blockers	3	10	.....
" " " "	Cap makers	27	6.1	.....
" " " "	Cutters	7	11.4	.....
" " " "	Machine hands	8	25	.....
" " " "	Packer	1	10	.....
" " " "	Suspender makers	2	1	.....
" " " "	Trimmer	1	10	.....
Ice (artificial)	Engineers	2	13	.....
" "	Laborer	1	10	.....
" "	Tankmen	5	10	.....
Inks	Chemists	2	3	.....
"	Engineer	1	3	.....
"	Fireman	1	3	.....
"	Foremen	2	3	.....
"	Grinders	8.4	3.4	.....
"	Oil boilers	3	3	.....
"	Watchman	1	3	.....
Iron (structural and architectural)	Blacksmiths	15	10.7	.....
" " " "	Erectors	23	10	.....
" " " "	Finishers	57	10.4	.....
" " " "	Foremen	7	25	.....
" " " "	Helpers	58	10	.....
" " " "	Iron workers	60	15	.....
" " " "	Laborers	107	10.3	.....
" " " "	Machinists	8	10	.....
" " " "	Mechanics	17	10	.....
" " " "	Painters	3	10	.....
" " " "	Setters	6	33	.....
" " " "	Shipping clerk	1	10	.....
" " " "	Tool maker	1	10	.....
Jewelry and watches	Case turners	3	10	.....
" " "	Engravers	14	10.7	.....
" " "	Finishers	2	10	.....
" " "	Jewelers	42	8	.....
" " "	Jointers	4	10	.....
" " "	Polishers	5	9.6	.....
" " "	Repairers	4	17.5	.....
" " "	Ring makers	3	1	.....
" " "	Setters	3	5	.....
" " "	Springers	3	10	.....
Leather and leather goods	Bark grinders	30	12.2	.....
" " " "	Beam house hands	80	12.2	.....
" " " "	Blacksmiths	2	12.2	.....
" " " "	Carpenters	6	12.2	.....
" " " "	Curriers	60	12.2	.....
" " " "	Door boys	3	12.2	.....
" " " "	Drivers	8	12.2	.....
" " " "	Engineers	14	12.2	.....
" " " "	Hide house hands	10	12.2	.....
" " " "	Japanners	170	12.2	.....
" " " "	Loft hands	45	12.4	.....
" " " "	Pipe fitters	5	12.2	.....
" " " "	Rollers	19	12.2	.....
" " " "	Shipping clerks	30	12.2	.....
" " " "	Splitters	15	12.2	.....
" " " "	Yard hands	60	12.2	.....
Liquors (malt)	Apprentice	1	9	.....
" "	Bottlers	15	26.4	.....
" "	Carpenter	1	7.5	.....
" "	Coopers	3	9.5	.....
" "	Watchman	1	5.7	.....
Lithographing, engraving and electrotyping	Artists	5	15	.....
" " " "	Cutter	1	20	.....
" " " "	Engravers	10	6.4	.....
" " " "	Helper	1	50	.....
" " " "	Laborers (boys)	2	50	.....
" " " "	Photographers	2	5	.....
" " " "	Pressmen	4	6.5	.....
" " " "	Stone grinders	1	25	.....

TABLE IV*cc*—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Machinery	Apprentices	31	10.3	.....
"	Blacksmith	1	10	.....
"	Boiler makers	3	20	.....
"	Cabinet maker	5	5	.....
"	Draughtsman	1	10	.....
"	Driver	1	5	.....
"	Engineers	3	8	.....
"	Foremen	2	10	.....
"	Helpers	11	10.7	.....
"	Laborers	61	8.5	.....
"	Machinists	272	5.3	.....
"	Millwright	1	10	.....
"	Molders	27	6.8	.....
"	Painters	7	5	.....
"	Pattern makers	2	25	.....
"	Printers	2	25	.....
"	Porter	1	20	.....
"	Sawyers	3	5	.....
"	Shipping clerks	3	5	.....
"	Timekeeper	1	30	.....
"	Tinner	1	20	.....
"	Watchman	1	5	.....
"	Wood workers	32	4.9	.....
Mattresses and pillows	Mattress makers	2	25	.....
Moldings and frames	Cabinet makers	25	5	.....
" " "	Engineer	1	20	.....
" " "	Finishers	4	6.2	.....
" " "	Helpers	12	10.7	.....
" " "	Joiners	14	13	.....
" " "	Ornamenters	2	16	.....
" " "	Packers	6	44	.....
" " "	Routers	5	4.5	.....
" " "	Stickers	7	1	.....
" " "	Wood workers	26	5	.....
Oil and grease	Blacksmiths	2	15	.....
" " "	Coopers helpers	2	19	.....
" " "	Drivers	40	8.3	.....
" " "	Engineers	4	5	.....
" " "	Firemen	4	16.7	.....
" " "	Laborers	62	14.2	.....
" " "	Press hands	9	5	.....
" " "	Tankman	1	5	.....
" " "	Watchman	1	5	.....
Paints and varnishes	Coopers	3	9	.....
" " "	Stillmen	2	3.7	.....
" " "	Tarred felt makers	2	2	.....
Patterns and models	Stampers	2	10	.....
Pianos and other musical instruments	Laborers	2	10	.....
" " " " "	Laborers (boys)	5	10	.....
" " " " "	Piano makers	23	10	.....
" " " " "	Piano makers (boys)	71	10	.....
" " " " "	Varnishers	54	10	.....
" " " " "	Varnishers (boys)	36	10	.....
Plating	Driver	1	7.8	.....
"	Helper	1	7.8	.....
"	Plater	1	12.5	.....
"	Polisher	1	8	.....
Plumbing, steam & gas fitting supplies	Laborers	15	20	.....
" " " " "	Pipe fitters	40	20	.....
" " " " "	Pipe fitters' helpers	40	20	.....
Printing and binding	Apprentice	1	16.7	.....
" " "	Binders	75	5.6	.....
" " "	Collector	1	25	.....
" " "	Compositors	42	8.6	.....
" " "	Cutters	3	10.3	.....
" " "	Electrotypers	5	7	.....
" " "	Feeders	35	13.1	.....
" " "	Foreman	1	10	.....
" " "	Forwarders	2	15	.....
" " "	Laborers	37	10	.....
" " "	Pressmen	20	10.2	.....
" " "	Ruler	1	15	.....

TABLE IV*cc*—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Pumps and water wheels	Apprentices	50	5	.....
" " " "	Blacksmiths	4	5	.....
" " " "	Carpenters	8	5	.....
" " " "	Electricians	3	5	.....
" " " "	Engineers	2	5	.....
" " " "	Laborers	100	5	.....
" " " "	Mechanics	240	5	.....
" " " "	Molders	55	7	.....
" " " "	Pattern makers	20	5	.....
" " " "	Painters	7	5	.....
" " " "	Watchmen	3	5	.....
Regalia	Cutters	2	10	.....
"	Designer	1	10	.....
Roofing (iron, steel and tin)	Roofers	6	10	.....
" " " " "	Tinners	27	5	.....
Safes, vaults and locks	Apprentices	2	5	.....
Sash, doors, lumber and interior finish	Bench hands	10	5	.....
" " " " " "	Cabinet makers	11	7.1	.....
" " " " " "	Carpenters	180	8.4	.....
" " " " " "	Drivers	3	10	.....
" " " " " "	Engineers	2	9.7	.....
" " " " " "	Laborers	37	10	.....
" " " " " "	Machine hands	30	7.1	.....
" " " " " "	Machine helpers	4	10	.....
" " " " " "	Machinists	11	10	.....
" " " " " "	Mill hands	27	10	.....
" " " " " "	Sawyers	2	10	.....
" " " " " "	Shipping clerks	12	5	.....
Slaughtering and meat packing	Butchers	101	7.3	.....
" " " "	Drivers	6	6.7	.....
" " " "	Engineers	2	18.5	.....
" " " "	Firemen	2	10	.....
" " " "	Helpers	1	10	.....
" " " "	Hostlers	4	7	.....
" " " "	Laborers	25	6.6	.....
" " " "	Meat cutters	21	5	.....
" " " "	Salters	7	5.5	.....
" " " "	Sausage makers	50	9.5	.....
Soap, candles and tallow	Boilers	6	15	.....
" " " "	Carpenters	2	15	.....
" " " "	Coopers	6	15	.....
" " " "	Distillers	21	15	.....
" " " "	Engineer	1	15	.....
" " " "	Foreman	1	15	.....
" " " "	Laborers	33	14.5	.....
" " " "	Molders	34	15	.....
" " " "	Packers	11	15	.....
" " " "	Pressers	30	15	.....
" " " "	Repairers	10	15	.....
" " " "	Watchman	1	15	.....
Soda and mineral waters	Bottlers	2	10	.....
" " " "	Bottle washers	2	2	.....
" " " "	Drivers	2	10	.....
" " " "	Helpers	2	10	.....
Stone (cut, sawed and artificial)	Cutters	15	11.1	.....
" " " "	Drivers	3	9.4	.....
" " " "	Flour hands	4	70.2	.....
" " " "	Helpers	15	16.7	.....
" " " "	Laborers	12	12	.....
Stoves, ranges and furnaces	Engineer	1	15	.....
" " " "	Laborers	6	10	.....
" " " "	Molders	62	5.8	.....
" " " "	Mounters	29	12.6	.....
" " " "	Polishers	5	5	.....
" " " "	Tinners	42	11.4	.....
Tinware, sheet iron and galvanized ironware.	Foreman	1	12.5	.....
" " " " " "	Helpers	9	5	.....
" " " " " "	Metal workers	31	11.2	.....
" " " " " "	Roofers	9	5	.....
" " " " " "	Sheet iron workers	7	11.5	.....
" " " " " "	Tinners	30	5	.....

TABLE IV*cc*—MANUFACTURES—CINCINNATI—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Tools	Grinder	1	25	.....
"	Laborers	22	5.1	.....
"	Machinists	74	4.9	.....
"	Pattern makers	2	8	.....
Trunks and valises	Finishers	48	4	.....
" " "	Machine hands	4	5	.....
" " "	Nailers	5	4	.....
" " "	Trunk makers	65	8	.....
Wire rods, wire cloth and wire goods	Apprentices	3	10	.....
" " " " " " "	Laborers (boys)	2	10	.....
" " " " " " "	Wire workers	7	15	.....
Miscellaneous	Carpenters	39	7	.....
"	Comfort makers	11	1	.....
"	Designer	1	10	.....
"	Engineers	2	16.5	.....
"	Foremen	3	11	.....
"	Gluers	2	10	.....
"	Gold pen makers	14	5	.....
"	Jointers	2	10	.....
"	Machine hands	3	10	.....
"	Machine helpers	5	10	.....
"	Machinists	3	13	.....
"	Mechanics	3	13	.....
"	Paper cutters	8	.....	20
"	Rubber turners	12	10	.....
Totals and averages		7,386	9.5	.....
		87	.....	10

TABLE IV*cc*—MANUFACTURES—CINCINNATI—Concluded.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employes.	Advanced per cent.	Reduced per cent.
Bags (paper and burlap)	Machine hands	4	5	.....
" " " "	Press hands	3	10	.....
" " " "	Seamstresses	10	18	.....
Billiard tables, bar and store fixtures	Casing cleaners	2	5	.....
Boots and shoes	Bottomer	1	5	.....
" " "	Cutters	5	5	.....
" " "	Fitters	70	5	.....
" " "	Packers	4	5	.....
Boxes (paper)	Box makers	60	7.5	.....
" "	Helpers	25	20	.....
Boxes (wooden)	Pasters	11	10	.....
Bread and other bakery products	Clerks	171	10	.....
" " " " "	Helpers	10	18	.....
" " " " "	Wrappers	18	6.2	.....
Carriages and wagons	Trimmers	4	5	.....
Cigars	Strippers	7	20	.....
Clothing	Coat makers	4	15	.....
"	Examiners	2	.....	5
"	Folders	9	13.1	.....
"	Foreladies	3	13.3	.....
"	Machine hands	50	5	.....
"	Pant makers	4	15	.....
"	Seamstresses	63	5.4	.....
"	Shirt makers	42	6.8	.....
"	Tailoresses	65	6.2	.....
"	Vest makers	4	15	.....
Coffee, baking powder and spices	Baking powder makers	14	10	.....
" " " " "	Extract makers	3	10	.....
Confectionery	Dippers	17	5	.....
"	Laborers	53	10	.....
"	Packers	16	10	.....
"	Wrappers	10	5	.....
Copper and brass goods	Burnishers	4	4	.....
" " " "	Helpers	2	16	.....
" " " "	Lacquerers	12	8.5	.....
" " " "	Wrappers	12	7	.....
Drugs, chemicals and druggists' sundries	Laborer	1	14	.....
Extracts, toilet articles and perfumery	Bottlers	4	10	.....
Harness and saddlery	Machine hands	2	20	.....
Hats, caps and furnishings	Apprentices	4	10	.....
" " " "	Cap makers	75	5	.....
" " " "	Finishers	7	6	.....
" " " "	Machine hands	26	6.7	.....
" " " "	Seamstresses	12	5	.....
" " " "	Suspender makers	7	3	.....
Jewelry and watches	Polishers	3	10	.....
Lithographing, engraving and electrotyping	Forelady	1	.....	25
" " " "	Laborers	15	20	.....
Patterns and models	Stampers	2	10	.....
Printing and binding	Binders	9	5.4	.....
" " "	Folders	2	10	.....
" " "	Pouch makers	13	10	.....
" " "	Press feeders	5	7	.....
" " "	Sewers	2	10	.....
Regalia	Cutters	12	10	.....
Soap, candles and tallow	Forelady	1	15	.....
" " " "	Molders	24	15	.....
" " " "	Packers	38	15	.....
" " " "	Wrappers	10	25	.....
Trunks and valises	Finishers	4	3	.....
Miscellaneous	Cotton pad makers	6	3	.....
"	Rubber turners	3	10	.....
Totals and averages	.....	1,079	8.8	.....
		3	.....	11.7

TABLE IV*d*—MANUFACTURES—DAYTON.

ADVERTISING NOVELTIES AND SIGNS—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Artists	5	306	$2 30	$703 80	9
Cutters	2	306	1 50	459 80	10
Engineer	1	306	2 50	765 00	12
Engravers	3	306	1 80	550 80	9
Feeders	6	306	1 08	330 48	10
Foreman	1	306	3 67	1,123 02	10
Laborers	14	301	1 00	301 00	9.2
Laborers (boys)	12	300	50	150 00	9
Lithograph transferer	1	306	1 16	354 96	9
Pressmen	7	302	2 23	673 46	9.4
Shipper	1	306	1 33	406 98	10
Watchmen	2	306	1 50	459 00	12
AGRICULTURAL IMPLEMENTS—4 ESTABLISHMENTS.					
Assemblers	18	275	1 45	398 75	10
Blacksmiths	9	283	2 10	594 30	10
Coremakers	7	278	2 03	564 34	10
Driller	1	300	1 00	300 00	10
Engineers	2	278	3 12	867 36	10
Grinder	1	300	2 25	675 00	10
Helpers	4	301	1 50	451 50	10
Hostlers	3	280	1 85	518 00	10
Laborers	191	278	1 46	405 88	10
Machinists	2	275	2 00	550 00	10
Molders	43	278	2 65	736 70	10
Painters	13	278	1 67	464 26	10
Pattern makers	4	277	2 62	725 74	10
Shave-maker	1	300	2 35	705 00	10
Shop clerks and inspectors	2	275	1 75	481 25	10
Steel workers	31	275	1 63	448 25	10
Stock clerk	1	300	1 65	495 00	10
Tool makers	3	275	2 20	605 00	10
Warehouse men	5	280	2 10	588 00	10
Wood workers	19	279	1 76	491 04	10
AWNINGS, TENTS AND FLAGS—2 ESTABLISHMENTS.					
Awning hanger	1	200	1 35	270 00	9
Blacksmith	1	272	1 50	408 00	10
Laborers	2	272	1 50	408 00	10
BOILERS, ENGINES AND TANKS—6 ESTABLISHMENTS.					
Apprentices	8	310	1 25	387 50	10
Blacksmiths	36	302	1 82	549 64	10
Boiler makers	182	302	1 82	549 64	10
Carpenters	8	303	1 84	557 52	10
Draughtsmen	1	310	75	232 50	10
Engineers	2	308	1 87	575 96	10
Fireman	1	307	1 90	583 30	10
Flanger	1	307	2 50	767 50	10
Helpers	58	307	1 65	506 55	10
Layer-out	1	307	4 94	1,516 58	10
Machinists	84	305	2 54	774 70	9.9
Machine hands	4	307	2 54	779 78	10
Molders	9	310	2 90	899 00	10
Molders and helpers	88	302	2 10	634 20	10
Painter	1	310	2 25	697 50	10
Pattern makers	9	303	2 63	796 89	10
Plumber	1	310	2 00	620 00	10
Rivet heaters	3	307	1 37	420 59	10
Sheet iron workers	16	302	1 98	597 56	10
Shipping clerk	1	310	1 75	542 50	10
Teamsters	5	302	1 50	453 00	10
Yardmen	10	302	1 60	483 20	10

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
BOXES (PAPER)—5 ESTABLISHMENTS.					
Box pressman	2	290	$1 55	$449 50	9
Coaters	9	290	75	217 50	9
Compositors	30	301	1 41	424 41	10
Cutters	30	298	1 97	587 06	10
Die maker	1	274	3 00	822 00	10
Engraver	1	274	2 75	753 50	10
Finishers	7	304	1 54	468 16	10
Foremen	4	287	2 81	806 47	10
Gluers and packers	8	300	94	282 00	10
Laborers (boys)	7	274	90	246 60	10
Machinists	5	283	1 50	424 50	9.4
Pail makers	14	274	1 65	452 10	10
Packers	3	290	1 65	478 50	9
Pressmen	16	275	1 69	464 75	10
Shipper	1	274	4 00	1,096 00	10
Time keeper	1	274	1 90	520 60	10
Truckers	2	274	1 55	424 70	10
Tyers	15	300	1 50	450 00	10
Watchman	1	274	1 10	301 40	10
Wrappers	2	274	2 75	753 50	10
BOXES (WOODEN)—4 ESTABLISHMENTS.					
Box makers	7	210	1 50	315 00	10
Box nailers	21	306	1 70	520 20	10
Engineer	1	306	2 50	765 00	10
Filer	1	306	2 50	765 00	10
Foremen	2	306	2 00	612 00	10
Laborers	22	306	1 11	339 66	10
Laborers (boys)	16	306	75	229 50	10
Machine hands	27	300	1 37	411 00	8
Pasters	28	300	75	225 00	8
Sawyers	11	306	1 72	526 32	10
Teamsters	7	306	1 50	459 00	10
Trimmers	3	306	1 50	459 00	10
Watchman	1	306	1 35	413 10	10
BREAD AND OTHER BAKERY PRODUCTS—6 ESTABLISHMENTS.					
Bakers	21	299	2 11	630 89	9.9
Bakers' helpers	12	300	1 65	495 00	9
Coopers	2	296	1 87	553 52	10
Cracker department hands	18	296	1 67	494 32	10
Engineers	3	297	2 30	683 10	10
Laborers	5	300	1 75	525 00	10
Hostlers	2	296	1 28	378 88	10
Packers	2	296	1 75	518 00	10
Porters	4	296	1 75	518 00	10
Pretzel rollers	2	296	1 00	296 00	10
Teamsters	5	296	1 88	556 48	10
Watchmen	2	300	2 00	600 00	10
BRICK AND TILE—5 ESTABLISHMENTS.					
Brick makers	42	145	1 87	271 15	9.6
Engineers	2	123	1 88	231 24	9
Foreman	1	140	3 00	420 00	10
Laborers	35	113	1 58	178 54	8.3
Laborers (boys)	2	147	75	108 25	10
Molder	1	128	3 75	480 00	10
Mud wheeler	1	128	2 25	288 00	10
Off bearer	1	128	2 00	256 00	10
Teamsters	7	140	1 80	252 00	10
Temperer	1	128	2 00	256 00	10

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
BROOMS AND BRUSHES—3 ESTABLISHMENTS.					
Broom makers	2	275	$2 75	$756 25	9
Brush makers	6	281	1 90	533 90	8.8
CARRIAGES AND WAGONS—9 ESTABLISHMENTS.					
Assemblers and shippers	10	275	1 75	481 25	9
Automobile repairer	3	308	3 00	924 00	12
Benders	2	250	1 84	460 00	10
Blacksmiths	22	297	2 37	703 89	9.6
Blacksmiths' apprentice	1	312	1 40	436 80	10
Blacksmiths' helpers	3	304	1 55	471 20	10
Buncher	1	250	2 25	562 50	10
Engineer	1	250	2 33	582 50	10
Helpers	23	276	1 73	477 48	10
Laborers	4	300	1 50	450 00	10
Nailers	2	250	67	167 50	10
Off bearers	2	250	1 50	375 00	10
Packer	1	250	2 00	500 00	10
Painters	46	295	2 03	598 85	9.9
Planer	1	250	2 33	582 50	10
Sawyers	2	250	1 84	460 00	10
Teamster	1	250	1 67	417 50	10
Trimmers	22	284	2 05	582 20	9.9
Wagon maker	1	300	2 50	750 00	10
Wood workers	23	292	2 41	703 52	9
CARRIAGE AND WAGON MATERIALS—3 ESTABLISHMENTS.					
Blacksmiths	3	284	2 25	639 00	10
Blacksmiths' helpers	3	284	1 75	497 00	10
Engineers	2	285	2 25	641 25	10
Firemen	2	285	1 70	484 50	10
Hub mortisers	4	290	1 75	507 50	10
Hub turners	3	290	1 75	507 50	10
Laborers	55	284	1 40	397 60	10
Laborers (boys)	22	289	1 00	289 00	10
Machinists	3	284	2 25	639 00	10
Machine hands	16	290	1 75	507 50	10
Millwrights	2	290	2 25	652 50	10
Rim drivers	4	290	1 75	507 50	10
Rim markers	2	290	1 75	507 50	10
Rim polishers	4	290	1 67	484 30	10
Selecters	7	290	1 86	539 40	10
Spoke belters	9	290	1 75	507 50	10
Spoke drivers	5	290	2 00	580 00	10
Spoke turners	4	290	2 00	580 00	10
Teamsters	3	290	1 67	484 30	10
Watchmen	2	285	1 70	484 50	10
Wheel makers	45	280	1 75	490 00	10
CIGARS—18 ESTABLISHMENTS.					
Bunch breakers	10	300	2 02	606 00	8.6
Bunch makers	12	272	1 80	489 60	9.2
Casers	11	287	1 54	441 98	9.1
Cigar makers	93	285	2 02	575 70	8.6
Foremen	8	297	2 90	861 30	10
Handlers	2	290	1 40	406 00	10
Labelers	3	297	75	222 75	10
Laborers	5	296	2 00	592 00	10
Laborers (boys)	2	296	1 18	349 28	9
Packers	8	281	2 22	623 82	9
Rollers	29	299	1 54	460 46	9.8
Shipping clerk	1	297	1 25	371 25	10
Strippers	1	218	60	130 80	10
Sorters	2	297	1 25	371 25	10
Watchman	1	297	1 50	445 50	10

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

CLOTHING—22 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bushelman	1	307	$2 50	$767 50	10
Coat makers	55	252	2 47	622 44	9.9
Cutters	7	287	3 73	1,070 51	9.5
Cutters and makers	10	300	1 88	564 00	9
Errand boy	1	107	60	184 20	10
Helper	1	300	1 00	300 00	10
Janitor	1	245	1 00	245 00	8
Laborers	2	300	1 50	450 00	9.5
Pressers	2	300	1 50	450 00	9.5
Stockmen and shippers	2	300	2 00	600 00	9.5
Tailors	11	254	2 86	726 44	10
Trouser makers	19	256	2 37	606 72	9.8
Vest makers	4	307	2 00	614 00	10
Watchman	1	245	50	122 50	12

COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.

Box makers	2	300	1 50	450 00	10
Can makers	4	300	1 75	525 00	10
Coffee roasters	6	302	2 20	664 40	10
Coffee roaster's helper	1	300	1 75	525 00	10
Elevator men	1	300	1 65	495 00	10
Engineers	3	302	2 29	691 58	10
Packers	7	300	1 80	540 00	10
Porters	10	301	1 50	451 50	10
Shipping clerk	1	306	2 50	765 00	10
Teamsters	2	303	1 87	566 61	10
Watchman	1	300	1 50	450 00	12

CONFECTIONERY—2 ESTABLISHMENTS.

Helpers	2	300	60	180 00	9
Laborers	3	365	1 39	507 35	10

DAIRY PRODUCTS—2 ESTABLISHMENTS.

Drivers	19	365	1 56	569 40	7
Laborers	27	365	1 48	540 20	9

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—2 ESTABLISHMENTS.

Bottlers	2	269	2 00	538 00	10
Bottler washer	1	309	1 50	463 50	10
Laborers	2	309	50	154 50	8
Packer	1	309	1 70	525 30	10
Printer	1	309	1 50	463 50	10

ELECTRICAL GOODS AND SUPPLIES—4 ESTABLISHMENTS.

Apprentices	5	279	1 28	357 12	10
Assembler	1	279	2 00	558 00	10
Blacksmith	1	279	2 00	558 00	10
Blacksmith's helper	1	279	1 60	446 40	10
Carpenter	1	279	2 00	558 00	10
Draughtsmen	4	285	2 56	729 60	9.5
Drill-press hands	2	279	1 50	418 50	10
Electricians	10	279	2 30	641 70	10
Laborers	7	279	1 67	465 93	10
Machinists	67	301	1 72	517 72	9.2
Painter	1	297	2 00	594 00	10
Pattern makers	4	297	2 60	772 20	10
Press hands	2	297	1 90	564 30	10
Tool maker	1	297	3 33	989 01	10

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

EXTRACTS, TOILET ARTICLES AND PERFUMERY—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottler	1	300	$2 25	$675 00	9
Bottle washers	2	300	1 40	420 00	9
Extract department hands	3	300	2 00	600 00	10
Laborer	1	300	1 25	375 00	9
Miscellaneous laborer	3	300	3 00	900 00	10
Printing department hands	2	300	3 75	1,125 00	10
Porter (boy)	1	300	1 00	300 00	9
FLOURING MILL PRODUCTS—4 ESTABLISHMENTS.					
Engineers	4	252	2 37	597 24	12
Floor hands	8	300	1 90	570 00	10
Laborers	13	272	1 67	454 24	10
Millers	9	277	2 53	700 81	12
Packers	5	261	1 79	467 19	11.4
Teamsters	8	302	1 89	570 78	10
FOUNDRY AND MACHINE SHOP PRODUCTS—20 ESTABLISHMENTS.					
Annealers	70	306	1 40	428 40	10
Apprentices	5	306	79	241 74	10
Assemblers	562	273	2 48	677 04	10
Assemblers and sealers	35	320	2 15	688 00	10
Bench hands	42	316	1 81	571 96	10
Blacksmiths	92	307	2 30	706 10	10
Blacksmiths' helpers	104	307	1 55	475 85	10
Buffers	4	320	2 50	800 00	10
Cabinet makers	118	307	2 20	675 40	10
Carpenters	532	296	2 38	704 48	10
Carpenters and wood workers	5	320	2 25	720 00	10
Carver	1	307	3 00	921 00	10
Casting cleaners	17	306	1 60	489 60	9.8
Chippers	10	305	1 65	503 25	10
Coremakers	120	303	1 89	572 67	9.9
Cupola tender	3	292	2 30	671 60	10
Die maker	1	320	3 25	1,040 00	10
Draughtsmen	12	307	2 55	782 85	9.9
Drill-press hands	25	317	1 42	450 14	10
Electricians	4	307	2 00	614 00	10
Engineer	4	307	2 64	810 48	10
Filers	3	320	2 31	739 20	10
Foremen	44	312	3 73	1,163 76	10
Furnace tender	2	313	2 17	679 21	9.2
Grinders	15	320	2 25	720 00	10
Helpers	2	306	2 00	612 00	10
Inspectors	175	274	1 93	528 82	9.5
Laborers	549	306	1 48	452 88	9.8
Lathe hands	6	320	1 81	579 20	10
Machine boys	14	300	1 27	381 00	10
Machine hands	227	307	1 66	509 62	10
Machinists	910	282	2 13	600 66	9.7
Maintenance hands	141	273	2 32	633 36	9.5
Marquetry men	13	307	2 40	736 80	10
Melter	1	308	2 15	662 20	10
Milling machine hands	13	320	1 55	496 00	10
Millwrights	16	307	2 30	706 10	10
Miscellaneous	215	273	2 01	548 73	9.5
Molders	727	299	2 34	699 66	9.9
Molder's helpers	65	307	1 50	460 50	10
Packers and shippers	9	320	1 75	560 00	10
Painters	223	278	1 89	525 42	9.8
Pattern makers	44	306	2 33	712 98	10
Pipe fitters	40	307	2 00	614 00	10
Platers	87	274	2 35	643 90	9.5
Polishers	4	310	2 18	675 80	10
Polishers and buffers	90	279	3 62	1,009 98	9.5
Painters and binders	80	273	2 11	576 03	10

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—20 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Punch machine hands	6	320	$1 87	$598 40	10
Repairer	1	280	2 25	630 00	10
Screw makers	103	276	2 56	706 56	9.7
Shippers	92	306	1 37	419 22	10
Spinners	3	320	2 50	800 00	10
Teamster	1	312	1 50	468 00	10
Tinners	40	307	2 15	660 05	10
Tool makers	18	310	3 12	967 20	10
Tool and pattern makers	226	273	3 16	862 68	9.5
Trimmers	65	306	1 30	397 80	10
Truck builders	45	307	1 90	583 30	10
Watchmen	4	309	1 59	491 31	10.6
Upholsterers	51	307	1 85	567 95	10
FURNITURE—6 ESTABLISHMENTS.					
Apprentice and helpers	17	297	76	225 72	10
Bench hands	4	300	2 25	675 00	10
Cabinet makers	51	303	2 10	636 30	10
Carvers	14	354	2 25	796 50	10
Decorators	2	180	1 25	225 00	7
Draughtsmen	3	310	2 65	821 50	10
Engineers	5	301	2 58	776 58	10
Finishers	121	339	2 44	827 16	10
Laborers	18	301	1 12	337 12	10
Lumbermen	5	300	1 50	450 00	10
Machine hands	96	323	1 84	594 32	10
Packers	34	325	1 17	380 25	10
Planers	6	300	1 50	450 00	10
Sanders	38	354	1 50	531 00	10
Sawyers	5	300	1 50	450 00	10
Stoolers	28	354	3 00	1,062 00	10
Teamsters	7	281	1 34	376 54	10
Upholsters	9	349	2 50	974 50	10
Watchmen	2	305	1 80	549 00	10
GLASS AND GLASSWARE—2 ESTABLISHMENTS.					
Bevelers	2	300	2 00	600 00	10
Cementers	2	300	1 00	300 00	10
Cutters	4	300	1 82	546 00	10
Laborers (boys)	2	300	1 00	300 00	10
Lead glaziers	5	300	1 70	510 00	10
HARNESS AND SADDLERY—2 ESTABLISHMENTS.					
Finishers	2	300	1 50	450 00	10
Harness makers	8	300	1 66	498 00	8
Laborer	1	300	50	150 00	10
Leather workers	4	300	1 66	498 00	8
Stuffer (boy)	1	300	75	225 00	10
IRON (STRUCTURAL AND ARCHITECTURAL)—2 ESTABLISHMENTS.					
Blacksmiths	3	300	1 33	399 00	10
Iron workers	18	300	1 63	489 00	10
Machinists	10	300	1 33	399 00	10
LIQUORS (MALT)—7 ESTABLISHMENTS.					
Bottlers	14	310	1 71	530 10	9.4
Bottle washer	1	306	75	229 50	9
Brewmaster	3	309	5 53	1,708 77	9.5
Brewers	23	308	2 54	782 32	9.4
Cellarmen	9	311	2 60	858 60	8.7
Drivers	25	309	2 56	791 04	8.2
Drivers' helpers	16	309	2 89	893 01	9.8

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

LIQUORS (MALT)—7 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers	12	231	$2 92	$674 52	11.2
Firemen	10	309	2 46	760 14	11.3
Helpers	4	309	1 82	562 38	9.7
Hostlers	5	310	2 13	660 30	10
Ice pullers	4	311	1 77	550 47	9.7
Ice wagon drivers	4	313	1 83	572 79	8.5
Ice wagon drivers' helpers	3	313	1 67	522 71	8.5
Kettlemen	3	312	2 75	858 00	8.7
Laborers	7	306	1 97	602 82	10.4
Maltster	1	306	2 50	765 00	9
Millwright	1	306	2 25	688 50	9
Washhouse men	8	311	2 35	730 85	8.8
Watchmen	3	311	2 51	780 61	10.8
MACHINERY—12 ESTABLISHMENTS.					
Apprentices	99	319	1 09	347 71	9.6
Assemblers	252	306	1 75	535 50	10
Bench hands	13	309	1 65	509 85	8
Blacksmiths	23	312	2 36	736 32	9.3
Blacksmiths' helpers	13	305	1 65	503 25	9.9
Boiler makers	38	308	2 29	705 32	10
Buffers	10	306	3 00	918 00	10
Carpenters	26	296	2 25	666 00	9.9
Coremakers	99	308	2 39	736 12	9.9
Cranemen	12	308	1 91	588 28	10
Cupola tender	2	308	2 75	847 00	9
Draughtsmen	34	307	2 73	838 11	8.8
Drill-press operator	1	309	1 75	540 75	10
Electricians	6	308	2 04	628 32	10
Engineers	11	308	2 45	754 60	10
Filers	52	306	2 00	612 00	10
Firemen	7	308	1 66	511 28	10
Foremen	4	306	4 25	1,300 50	10
Furnace tender	2	309	2 00	618 00	8
Grinders	3	308	2 16	665 28	10
Laborers	831	312	2 54	792 48	9.9
Lathe hands	74	315	2 25	708 75	10
Machine hands	20	293	1 62	474 66	9
Machinists	598	317	2 32	735 44	9.9
Machinists and helpers	2	306	1 85	566 10	10
Millwrights	8	306	2 71	829 26	10
Monitor hands	3	309	2 35	726 15	10
Molders	253	306	2 85	872 10	10
Painters	12	307	1 87	574 09	10
Pattern makers	50	313	2 94	920 22	9.9
Pipe fitters	11	308	2 26	696 08	10
Planer hands	14	335	2 35	787 25	10
Polishers	39	306	3 35	1,025 10	10
Screw makers	57	306	2 50	765 00	10
Sewing room hands	6	306	2 25	688 50	10
Shipping clerks	13	304	2 21	671 84	9.9
Shop clerks	2	306	2 00	612 00	10
Tool makers	22	308	3 20	985 60	10
Warehouse employes	263	306	1 75	535 50	10
Watchmen	8	308	1 69	520 52	10
Wood workers	28	305	1 96	597 80	10
MATTRESSES AND PILLOWS—2 ESTABLISHMENTS.					
Bailers	2	265	1 25	331 25	10
Engineer	1	250	2 50	625 00	10
Felt machine operators	4	250	2 00	500 00	10
Fillers	4	265	1 75	463 75	10
Finishers	10	256	2 00	512 00	10
Teamster	1	250	1 50	375 00	10

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
PAINTS AND VARNISHES—4 ESTABLISHMENTS.					
Cooper	1	306	$1 75	$335 50	10
Engineer	1	295	2 50	737 50	9
Helpers	7	306	1 67	511 02	9
Laborers	2	306	1 70	520 20	10
Paint grinders	48	295	2 25	663 75	9
Varnish makers	6	301	1 86	559 86	9
Watchman	1	295	1 75	516 25	9
PATTERNS AND MODELS—2 ESTABLISHMENTS.					
Apprentices	4	300	75	225 00	10
Engineer	1	300	2 25	675 00	10
Machinists	3	300	2 75	825 00	10
Pattern makers	6	300	2 52	756 00	9.3
Watchman	1	300	1 80	540 00	12
PRINTING AND BINDING—20 ESTABLISHMENTS.					
Apprentices	10	303	1 29	390 87	9.2
Binders	31	301	1 96	589 96	9.4
Binders' helper	1	300	1 50	450 00	9.5
Blank book department hands	17	290	2 00	580 00	10
Clerks	5	310	2 50	775 00	9
Compositors	68	306	2 33	712 98	9
Cutters	8	292	1 74	508 08	10
Electrotypers	10	310	1 40	434 00	9
Engineers	2	306	2 29	700 74	9.2
Engineers and helpers	4	310	2 50	775 00	10
Errand boys	10	303	56	169 68	9.5
Foremen	1	300	2 25	675 00	9.5
Laborer	1	312	1 17	365 04	9
Linotype operators	11	308	3 15	970 20	8
Lithograph engravers	2	300	3 50	1,050 00	8
Lithograph feeders	3	300	1 00	300 00	9.5
Lithograph pressmen	2	300	3 00	900 00	9.5
Lithograph stone polisher	1	300	1 25	375 00	9.5
Lithograph transferers	2	300	3 00	900 00	9.5
Machine hands	3	300	1 25	375 00	9.5
Machinists	4	312	2 50	780 00	9
Machinist's helper	1	312	1 66	517 92	9
Photo engraving department hands	22	310	1 85	573 50	9
Porter	1	307	1 50	460 50	9
Press feeders	42	276	98	270 48	9.4
Pressmen	24	301	2 19	659 19	9.3
Proof reader	1	310	2 50	775 00	8
Rulers	18	291	1 80	523 80	9.9
Shipping department hands	9	292	1 55	452 60	9.8
Solicitors	2	312	1 42	443 04	9
Tablet department hands	10	290	1 00	290 00	10
SASH, DOORS, LUMBER AND INTERIOR FINISH—5 ESTABLISHMENTS.					
Carpenters	195	304	2 47	750 88	9
Carver	1	309	3 25	1,004 25	9
Cut-off men	1	256	1 50	384 00	10
Edgers	2	256	1 75	448 00	10
Engineers	2	305	2 67	814 35	10
Errand boys	2	300	83	249 00	9
Filer	1	256	2 00	512 00	10
Firemen	1	256	2 00	512 00	10
Glazier and painter	1	309	1 66	512 94	9
Laborers	25	300	1 60	480 00	9
Laborers (boys)	7	300	1 00	300 00	9
Log deck	1	256	1 50	384 00	10
Machine hands	83	302	2 35	709 70	9
Mechanics	40	300	2 60	780 00	10

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

SASH, DOORS, LUMBER AND INTERIOR FINISH—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Off bearer	1	256	$1 50	$384 00	10
Painters	2	300	2 00	600 00	9
Sawyers	2	256	1 67	427 52	10
Setter	1	256	1 50	384 00	10
Teamsters	7	290	1 71	495 90	9
Watchmen	1	300	2 00	600 00	12
Wood turners	5	300	2 40	720 00	9
SLAUGHTERING AND MEAT PACKING—2 ESTABLISHMENTS.					
Butchers	47	296	1 86	550 56	10
Drivers	7	300	1 95	585 00	10
Engineers	2	300	2 75	825 00	12
Firemen	2	300	1 75	525 00	12
Laborers	16	300	1 65	495 00	10
Night men	3	300	1 90	570 00	12
Packer	1	300	2 00	600 00	10
Sausage maker	7	300	2 20	660 00	10
Watchman	1	300	1 75	525 00	12
SOAP, CANDLES AND TALLOW—6 ESTABLISHMENTS.					
Carpenter	1	299	2 35	702 65	10
Cutters	2	298	2 06	613 88	10
Engineer	1	299	3 00	897 00	10
Fireman	1	299	1 75	523 25	10
Helper	1	287	1 63	467 81	10
Laborers	63	302	1 62	489 24	10
Machine men	2	295	1 75	516 25	10
Mailer	1	299	2 50	747 50	8.5
Packer	1	287	1 63	467 81	10
Soap boiler	1	295	3 00	885 00	10
Soap makers	12	301	1 85	556 85	10
Soap pressers	4	291	1 72	500 52	10
Soap pressers' assistant	1	306	1 50	459 00	10
SODA AND MINERAL WATERS—3 ESTABLISHMENTS.					
Bottlers	2	308	2 08	640 64	8
Bottle washers	2	308	1 50	462 00	8
Drivers	2	276	2 00	552 00	8
Laborer	1	313	1 35	422 55	10
Mixer	1	276	2 50	690 00	8
Teamsters	3	308	2 58	794 64	9
STOVES, RANGES AND FURNACES—4 ESTABLISHMENTS.					
Assemblers	16	284	1 35	383 40	10
Carpenters	2	247	2 87	708 89	10
Coremakers	1	210	3 50	735 00	10
Craters	8	284	1 32	374 88	10
Furnace setters	2	300	2 00	600 00	10
Engineers	2	247	2 50	617 50	10
Laborers	72	251	1 53	384 03	10
Machine hands	9	284	1 60	454 40	10
Machinists	6	222	2 29	508 38	10
Molders	60	242	3 20	774 40	9.2
Mounters	40	250	3 00	750 00	10
Painters	6	284	1 38	391 92	10
Pattern makers	2	284	2 75	781 00	10
Press hands	5	284	1 80	511 20	10
Tinsmiths	8	286	2 10	600 60	10
Tool makers	3	284	2 60	738 40	10
Watchman	1	210	1 75	367 50	12

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

STRAW-BOARDS AND PAPER—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Back tenders	12	290	$1 55	$449 50	10.8
Beatermen	18	254	1 92	487 68	10.4
Beatermen s helpers	19	271	1 50	406 50	10.4
Calendermen	5	276	1 75	483 70	11.3
Calendermen's helper	1	300	1 50	450 00	10
Cutters (boys)	6	232	1 00	232 00	10
Draymen	3	270	1 75	472 50	12
Engineers	10	262	2 40	628 80	10.4
Finishers	9	287	1 90	545 30	10.6
Firemen	6	267	1 71	456 57	10.4
Foremen	3	293	2 11	618 23	10
Helpers	4	300	1 16	348 00	10
Laborers	95	247	1 50	370 50	10
Laborers (boys)	15	280	1 08	302 40	10
Machine tenders	18	274	2 37	649 38	10.4
Machine tenders (binders)	10	232	1 67	387 44	10
Millwrights	4	280	2 62	733 60	11
Oiler	1	300	1 50	450 00	10
Ruler	1	300	2 50	750 00	10
Shipping clerk	1	270	2 50	675 00	12
Size maker	1	300	1 50	450 00	10
Teamster	1	280	1 50	420 00	10
Watchman	1	270	1 75	472 50	12
Winders	2	270	1 25	337 50	12
TIN-WARE, SHEET-IRON AND GALVANIZED IRONWARE—3 ESTABLISHMENTS.					
Cornice makers	12	302	2 75	830 50	9.2
Helpers	4	276	2 00	552 00	9.5
Slate roofers	6	304	2 50	760 00	9.5
Teamsters	2	250	1 50	375 00	9
Tinners	28	281	2 27	637 87	9
TOBACCO (CHEWING AND SMOKING—4 ESTABLISHMENTS.					
Casers	5	282	1 84	518 88	9.8
Cutter	1	260	1 80	468 00	9
Dryer	1	260	1 80	468 00	9
Engineer	1	260	2 00	520 00	10
Foreman	1	230	2 00	460 00	9.5
Hostlers	5	308	1 83	563 64	10
Laborers	17	245	1 73	423 85	10
Laborers (boys)	4	230	75	172 50	10
Packers	9	290	1 79	519 10	10
Rehandlers	34	308	1 50	462 00	10
TOOLS—5 ESTABLISHMENTS.					
Apprentices	4	303	80	242 40	10
Blacksmiths	2	302	2 12	640 24	10
Engineer	1	304	2 25	684 00	10
Fireman	1	304	1 50	456 00	10
Forgers	6	304	2 00	608 00	10
Grinders	13	304	2 25	684 00	10
Laborers	5	304	1 50	456 00	10
Machinists	11	303	2 18	660 54	10
Polisher	1	304	1 75	532 00	10
Temperers	5	304	2 00	608 00	10
Toolsmith	2	300	1 84	552 00	9
Vise hands	2	304	1 75	532 00	10
MISCELLANEOUS—25 ESTABLISHMENTS.					
Basket makers	5	300	1 50	450 00	10
Boiler cleaner	1	365	1 75	638 75	10
Bowling implement makers	11	300	2 20	660 00	10

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

MISCELLANEOUS—25 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Brass finishers	2	280	$2 25	$ 630 00	10
Buffers	2	280	2 62	733 60	10
Cellarmen	3	300	1 87	561 00	12
Cement finishers	5	280	2 95	826 00	10
Coopers	7	300	1 80	540 00	8
Cutters	3	310	83	257 30	10
Drivers and helpers	24	300	1 75	525 00	10
Dynamo tender	1	365	1 98	722 70	10
Electricians	3	365	2 54	927 10	10
Engineers	7	320	2 40	768 00	11.1
Expense hands	13	308	1 70	523 60	10
Engravers	13	310	1 52	471 20	10
Finishers	53	308	2 20	677 60	10
Firemen	6	333	1 82	606 06	12
Foreman	1	280	3 50	980 00	10
Golf stick makers	18	300	2 17	651 00	10
Helpers	16	309	1 50	463 50	9.2
Hostlers	2	300	1 83	549 00	12
Ice pullers	4	300	1 75	525 00	12
Laborers	78	293	1 61	471 73	9.8
Last makers	140	300	1 94	582 00	10
Machine hands	6	302	1 34	404 68	10
Machine hands' helpers	3	300	1 15	345 00	10
Machinists	6	303	2 98	902 94	10
Marble and tile setters	12	312	3 50	1,092 00	9
Mechanics	6	241	2 25	542 25	10
Millwrights	5	307	2 75	844 25	10
Meter man	1	365	2 00	730 00	10
Miscellaneous help	31	308	2 07	637 56	10
Molders	46	308	2 60	800 80	10
Nickel plater	1	280	2 75	770 00	10
Oilers	2	365	1 50	547 50	12
Pail makers	6	308	1 50	462 00	10
Painters	1	280	2 50	700 00	10
Paste maker	1	307	1 33	408 31	9
Pattern makers	44	308	1 90	585 20	10
Platers	9	308	1 73	532 84	10
Polishers	26	308	2 53	779 24	10
Porter	1	300	50	150 00	....
Pressmen and compositors	3	300	2 75	825 00	10
Press operators	7	301	1 24	373 24	10
Putty workers	2	305	2 00	610 00	10
Quarrymen	6	307	1 50	460 50	10
Roofers	14	320	1 99	636 80	10
Rubber stamp makers	2	310	1 75	542 50	10
Shippers	7	304	2 29	696 16	10
Slitter machine operator	2	300	1 15	345 00	10
Spinners	7	304	2 57	781 28	10
Stamp maker	1	310	2 15	666 50	10
Stencil cutter	1	310	3 33	1,032 30	10
Table makers	25	308	1 50	462 00	10
Teamsters	2	242	2 00	484 00	10
Tester	1	280	1 67	467 60	10
Tinners	9	305	2 59	789 95	10
Tool maker	1	280	3 00	840 00	10
Umbrella makers	20	309	1 64	506 76	10
Wax workers	2	305	2 00	610 00	8

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
ADVERTISING NOVELTIES AND SIGNS—2 ESTABLISHMENTS.					
Feeders	4	300	$1 00	$300 00	9
Laborers	4	300	75	225 00	9
Sewer	1	306	67	205 02	10
AWNINGS, TENTS AND FLAGS.—3 ESTABLISHMENTS.					
Cutter	1	200	1 00	200 00	9
Machine operators	8	277	84	232 68	9.8
BOXES (PAPER)—5 ESTABLISHMENTS.					
Cleaners	6	290	60	174 00	9
Cutters	42	290	78	226 20	10
Feeders	5	290	1 10	319 00	9
Finishers	129	300	1 12	336 00	8.4
Gluers	26	274	75	205 50	10
Gluers and packers	56	300	63	189 00	10
Pail makers	78	274	90	246 60	10
BOXES (WOODEN)—2 ESTABLISHMENTS.					
Nailers	3	306	70	214 20	10
Pasters	38	270	70	189 00	9.2
BREAD AND OTHER BAKERY PRODUCTS—5 ESTABLISHMENTS.					
Clerks	3	310	75	232 50	12
Packers	35	298	66	196 68	9.2
BROOMS AND BRUSHES—1 ESTABLISHMENT.					
Brush maker	1	290	55	159 50	8
CARRIAGES AND WAGONS—1 ESTABLISHMENT.					
Machine operators	2	275	83	228 25	9
CIGARS—13 ESTABLISHMENTS.					
Banders	15	297	75	225 75	9
Bunch breakers	86	296	1 16	343 36	9
Bunch breakers' apprentices	40	296	1 75	518 00	9
Cigar makers	117	282	1 42	400 44	8.6
Packers' apprentices	42	294	1 42	417 48	8.2
Piercer	1	290	1 50	435 00	9
Rollers	259	294	1 38	405 72	9
Strippers	123	300	98	294 00	9.7
CLOTHING—21 ESTABLISHMENTS.					
Helpers	4	300	1 00	300 00	9
Inspectors and folders	2	245	1 50	367 50	8.5
Machine operators	226	288	99	285 12	8.9
Tailoresses	3	275	1 75	481 25	10
Trouser makers	11	238	1 25	297 50	10
Vest makers	21	248	1 21	300 08	9.6
COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.					
Can makers	5	300	1 25	375 00	9
Packers	51	301	1 02	307 02	8.7
CONFECTIONERY—1 ESTABLISHMENT.					
Dippers	5	300	70	210 00	9

TABLE IV*d*—MANUFACTURES—DAYTON—Continued.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
DAIRY PRODUCTS—1 ESTABLISHMENT.					
Laborer	1	365	$ 75	$273 75	8
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—2 ESTABLISHMENTS.					
Bottlers	14	269	75	201 75	10
Demonstrators	2	309	1 25	386 25	8
Laborers	6	309	70	216 30	8
ELECTRICAL GOODS AND SUPPLIES—3 ESTABLISHMENTS.					
Laborers	4	279	1 00	279 00	10
Winders	2	303	1 25	378 75	9.2
EXTRACTS, TOILET ARTICLES AND PERFUMERY—1 ESTABLISHMENT.					
Extract department hands	9	300	1 12	336 00	10
Miscellaneous help	8	300	1 25	375 00	10
FOUNDRY AND MACHINE SHOP PRODUCTS—7 ESTABLISHMENTS.					
Assemblers	140	283	1 31	370 73	8
Assorters	35	317	70	221 90	10
Coremakers	71	306	1 00	306 00	10
Laborers	4	310	73	226 30	9.8
Machinists	124	273	1 28	349 41	8
Miscellaneous help	215	273	1 32	360 36	8
Printers and binders	65	273	1 30	354 90	8
Tool setters	15	317	60	190 20	10
Upholsterers	4	307	1 00	307 00	10
MACHINERY—1 ESTABLISHMENT.					
Seamstresses	13	306	1 00	306 00	8
MATTRESSES AND PILLOWS—2 ESTABLISHMENTS.					
Seamstresses	8	261	1 00	261 00	9.6
PAINTS AND VARNISHES—1 ESTABLISHMENT.					
Card makers	10	295	1 00	295 00	8.5
Labelers	10	295	1 25	368 75	8.5
PRINTING AND BINDING—15 ESTABLISHMENTS.					
Apprentice	1	300	75	225 00	9.5
Blank book department hands	26	290	87	252 30	10
Binders	65	299	83	248 17	9.5
Compositors	8	303	1 45	439 35	9.7
Feeders	26	304	98	297 92	9.4
Helpers	6	312	87	271 44	9
Machine hands	4	300	67	201 00	9
Mailing clerks	6	310	1 00	310 00	8
Proof readers	4	310	1 00	310 00	9
Retailers	6	310	1 25	387 50	8
Rulers	15	290	80	232 00	10
Tablet department hands	35	290	87	252 30	10
SOAP, CANDLES AND TALLOW—4 ESTABLISHMENTS.					
Laborers	2	306	50	153 00	10
Mailers	5	299	1 05	313 95	8.5
Packers	14	295	1 05	309 75	8.9
Wrappers	3	295	83	244 85	10

TABLE IV*d*—MANUFACTURES—DAYTON—Concluded.

STRAW-BOARDS AND PAPER—4 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Calender girls	7	232	$ 83	$192 56	10
Counters	3	290	98	284 20	10
Cutter girls	5	270	83	224 10	10
Feeder	1	300	85	255 00	10
Label girls	1	300	85	255 00	10
Laborers	5	280	83	232 40	10
Lay-off girls	4	300	85	255 00	10
Rag sorters	20	300	85	255 00	10
Scrapers	6	232	67	155 44	10
TOBACCO (CHEWING AND SMOKING)—4 ESTABLISHMENTS.					
Bulk-workers	2	230	1 00	230 00	9.5
Caser	1	260	1 12	291 20	9
Dryer	1	260	99	257 40	9
Oversizer	36	249	1 24	308 76	9
Packers	7	260	1 00	260 00	9
Piece workers	16	230	1 00	230 00	9
Rehandlers	34	308	80	246 40	9
MISCELLANEOUS—8 ESTABLISHMENTS.					
Clerks	4	309	1 04	321 36	9
Mailing department hand	50	300	1 00	300 00	8
Pail makers	42	308	75	231 00	10
Plater	8	309	1 09	336 81	10
Seamstress	1	300	1 00	300 00	10
Slitter machine operators	2	300	75	225 00	10
Umbrella makers	46	309	85	262 65	10
Wax workers	6	305	75	228 75	10

TABLE IV*dd*—MANUFACTURES—DAYTON.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Boilers, engines and tanks	Blacksmiths	2	10	.....
" " " "	Boiler makers	6	8.5	.....
" " " "	Carpenter	1	2.5	.....
" " " "	Draughtsman	1	.....	20
" " " "	Engineer	1	12.5	.....
" " " "	Fireman	1	8	.....
" " " "	Helpers	31	8.5	.....
" " " "	Machine hands	4	2	.....
" " " "	Machinists	43	10	.....
" " " "	Molders	97	7.8	.....
" " " "	Pattern makers	2	10	.....
" " " "	Rivet heaters	3	1	.....
Boxes (wooden)	Engineer	1	5	.....
Bread and other bakery products	Baker	1	10	.....
" " " " "	Helpers	12	10	.....
Brick and tile	Brick makers	27	10	.....
" " "	Foreman	1	10	.....
" " "	Teamsters	7	10	.....
Carriages and wagons	Blacksmith	3	20	.....
" " "	Engineer	1	15	.....
" " "	Painters	2	20	.....
" " "	Trimmer	1	20	.....
" " "	Wood workers	2	20	.....
Carriage and wagon materials	Apprentices	2	25	.....
" " " "	Blacksmiths' helpers	3	10	.....
" " " "	Engineer	1	10	.....
" " " "	Firemen	2	10	.....
" " " "	Laborers	35	10	.....
" " " "	Teamsters	3	10	.....
" " " "	Watchman	1	10	.....
" " " "	Wheel makers	45	10	.....
Cigars	Cigar makers	5	40	.....
Clothing	Bushelman	1	10	.....
"	Coat makers	10	10	.....
"	Cutter	1	10	.....
"	Errand boy	1	10	.....
"	Janitor	1	.....	33
"	Trouser makers	4	10	.....
"	Vest makers	4	10	.....
Coffee, baking powder and spices	Engineer	1	12.5	.....
" " " " "	Packers	7	3	.....
" " " " "	Roasters	2	5	.....
Electrical goods and supplies	Machinists	35	4	.....
Flouring mill products	Flour hands	2	25	.....
Extracts, toilet articles and perfumery	Bottler	1	12.5	.....
" " " " "	Porter (boy)	1	20	.....
Foundry and machine shop products	Assemblers and sealers	35	13	.....
" " " " "	Bench hands	30	9	.....
" " " " "	Blacksmiths	91	3.6	.....
" " " " "	Blacksmiths helpers	104	3.5	.....
" " " " "	Cabinet makers	118	3.5	.....
" " " " "	Carpenters	364	3.5	.....
" " " " "	Carver	1	3.5	.....
" " " " "	Core makers	36	8.7	.....
" " " " "	Cupola tenders	2	5	.....
" " " " "	Draughtsmen	13	7.4	.....
" " " " "	Drill hands	21	9	.....
" " " " "	Electricians	4	3.5	.....
" " " " "	Engineer	1	5	.....
" " " " "	Foremen	38	3.7	.....
" " " " "	Laborers	339	4.1	.....
" " " " "	Lathe hands	6	13	.....
" " " " "	Machine hands	73	9.6	.....
" " " " "	Machinists	170	4.5	.....
" " " " "	Marquetrymen	13	3.5	.....
" " " " "	Millwrights	16	3.5	.....
" " " " "	Molders	167	5.7	.....
" " " " "	Molders' helpers	65	3.5	.....
" " " " "	Packers	9	8	.....
" " " " "	Painters	156	3.9	.....
" " " " "	Pattern makers	9	4.9	.....

TABLE IV*dd*—MANUFACTURES—DAYTON—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Foundry and machine shop products	Pipe-fitters	40	3.5	.....
" " " " "	Plater	1	10	.....
" " " " "	Polishers	11	11	.....
" " " " "	Polishers and buffers	12	5	.....
" " " " "	Punch hands	2	9	.....
" " " " "	Screw machine hands	6	12	.....
" " " " "	Tinners	40	3.5	.....
" " " " "	Tool makers	13	5.8	.....
" " " " "	Truck builders	45	3.5	.....
" " " " "	Upholsterers	51	3.5	.....
" " " " "	Watchman	1	10	.....
" " " " "	Wood workers	171	3.5	.....
Furniture	Apprentices	5	.....	20
"	Apprentices	12	19.5	.....
"	Cabinet makers	51	10	.....
"	Engineer	1	10	.....
"	Finishers	10	20	.....
"	Machine hands	86	16	.....
"	Packers	16	24.2	.....
Glass and glassware	Apprentices	2	5	.....
" " "	Bevelers	2	5	.....
" " "	Cementers	2	5	.....
" " "	Cutters	2	5	.....
" " "	Glaziers	3	5	.....
Harness and saddlery	Stuffer (boy)	1	5	.....
Iron (structural and architectural)	Iron workers	8	10	.....
Liquors (malt)	Bottlers	1	.....	6
" "	Bottlers	2	16	.....
" "	Brew-master	1	17	.....
" "	Cellerman	4	3	.....
" "	Drivers	2	20	.....
" "	Engineers	5	12.5	.....
" "	Hostler	1	25	.....
" "	Kettleman	1	6	.....
" "	Laborer	1	10	.....
" "	Washhouse men	4	2	.....
" "	Watchman	1	6	.....
Machinery	Apprentices	82	10	.....
"	Bench hands	13	10	.....
"	Blacksmith	10	.....	1.2
"	Blacksmith helpers	11	10	.....
"	Boiler makers	38	1.8	.....
"	Carpenter	1	10	.....
"	Core makers	85	10.5	.....
"	Cupola tender	2	8.1	.....
"	Draughtsmen	30	.....	6.9
"	Drill-press hands	1	10	.....
"	Electricians	6	2	.....
"	Engineers	5	16.1	.....
"	Firemen	7	.....	5.1
"	Firemen	2	10	.....
"	Grinders	3	8	.....
"	Laborers	368	6.8	.....
"	Lathe hands	74	10	.....
"	Machine hands	2	10	.....
"	Machinists	343	.....	3.9
"	Machinists	39	10	.....
"	Millwrights	2	22.5	.....
"	Monitor hands	3	10	.....
"	Molders	160	9	.....
"	Pattern Makers	36	21.3	.....
"	Painters	11	2.7	.....
"	Planer hands	14	10	.....
"	Pipe fitters	11	.....	5.8
"	Polishers	4	10	.....
"	Tool maker	1	10	.....
"	Watchmen	8	7.7	.....
Printing and binding	Apprentices	7	20	.....
" " "	Binders	3	5	.....
" " "	Errand boy	1	36	.....
" " "	Porter	1	20	.....
" " "	Press feeders	4	19.9	.....

TABLE IV*dd*—MANUFACTURES—DAYTON—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Printing and binding	Pressman	1	66.7	.....
Slaughtering and meat packing	Butchers	26	10	.....
,, ,, ,, ,,	Drivers	7	10	.....
,, ,, ,, ,,	Engineers	2	10	.....
,, ,, ,, ,,	Firemen	2	10	.....
,, ,, ,, ,,	Laborers	19	10	.....
,, ,, ,, ,,	Packer	1	10	.....
,, ,, ,, ,,	Sausage makers	7	10	.....
,, ,, ,, ,,	Watchmen	3	10	.....
Soap, candles and tallow	Carpenter	1	5	.....
,, ,, ,, ,,	Engineer	1	10	.....
,, ,, ,, ,,	Fireman	1	5	.....
,, ,, ,, ,,	Laborers	38	5	.....
,, ,, ,, ,,	Soap makers	2	5	.....
,, ,, ,, ,,	Wrapper	1	5	.....
Miscellaneous	Bowling goods makers	11	10	.....
,,	Golf goods makers	18	20.6	.....
,,	Laborers	4	13	.....
,,	Last makers	140	7	.....
,,	Machinists	3	5	.....
,,	Pressmen and compositors	3	10	.....
,,	Press operators	6	10	.....
,,	Sealing wax makers	2	14	.....
,,	Slitter machine operators	2	15	.....
,,	Teamsters	2	20	.....
Totals and averages	.....	4,298	7.2	.....
		409	.....	4.4

TABLE IV*dd*—MANUFACTURES—DAYTON—Concluded.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employes.	Advanced per cent.	Reduced per cent.
Awnings, tents and flags	Sewing machine operators	3	10	.....
Bread and other bakery products	Packers	14	5	.....
Clothing	Inspectors and folders	2	.....	25
Foundry and machine shop products	Assorters	35	10	.....
" " " " "	Packers	23	10	.....
" " " " "	Tool setters	15	10	.....
Soap, candles and tallow	Packers	10	5	.....
" " " "	Wrappers	5	5	.....
Totals and averages	.....	105	8.6	.....
	.....	2	.....	25

TABLE IVe—MANUFACTURES—TOLEDO.

AGRICULTURAL IMPLEMENTS—2 ESTABLLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cupola tender	1	272	$1 75	$476 00	10
Engineer	1	272	1 75	476 00	10
Grinder	1	272	1 75	476 00	10
Laborers	28	259	1 40	362 60	10
Mechanic	1	272	2 50	680 00	10
Molders	9	272	2 50	680 00	10
Painters	4	272	1 50	408 00	10
Rattler	1	272	1 50	408 00	10
Wood workers	5	272	2 00	544 00	10
AWNINGS, TENTS AND FLAGS—3 ESTABLISHMENTS.					
Awning and tent makers	11	306	2 11	645 66	10
Blacksmith	1	306	2 00	612 00	10
Foremen	2	298	2 50	745 00	9.7
Laborers	9	304	1 73	525 92	9.9
Machinist	1	290	2 00	580 00	9.5
Painter	1	306	2 00	612 00	10
Shipping clerk	1	306	2 00	612 00	10
BATH CABINETS—2 ESTABLISHMENTS.					
Cutter	1	300	1 75	525 00	9
Laborers	4	300	1 00	300 00	9.5
Packer	1	300	1 50	525 00	9
Tackers	4	300	1 50	525 00	9
Wire workers	2	300	1 80	540 00	9.5
BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—5 ESTABLISHMENTS.					
Assemblers	55	298	1 86	554 28	10
Bench hands	153	275	1 35	371 25	10
Blacksmiths	39	295	2 96	873 20	10
Buffers	2	260	2 00	520 00	9
Clerks and elevator boys	16	297	1 75	519 75	10
Draughtsmen	5	297	3 50	1,039 50	10
Drop forgers	15	300	2 50	750 00	10
Enamelers	20	300	2 00	600 00	10
Engineers	13	292	1 85	540 20	10
Filers	30	297	1 75	519 75	10
Foremen	7	297	4 25	1,262 25	10
Forge hands	5	275	1 75	481 25	10
Foundry hands	15	297	2 50	742 50	10
Inspectors	5	297	2 00	594 00	10
Laborers	95	306	1 50	459 00	10
Machinists	82	294	2 95	867 30	9.9
Machine hands	115	275	1 50	412 50	10
Machine and bench hands	120	309	1 50	463 50	10
Packers	10	275	1 60	440 00	10
Packers and yardmen	30	309	1 37	423 33	10
Painters	75	302	1 90	573 80	10
Platers	19	299	2 07	618 93	10
Polishers and buffers	32	300	3 00	900 00	10
Pressman	1	260	1 50	390 00	9
Rattan workers	170	309	1 75	540 75	10
Shipping clerks	10	297	1 75	519 75	10
Teamster	1	275	2 00	550 00	10
Testers	15	297	1 75	519 75	10
Tinners	10	297	2 00	594 00	10
Tool maker	51	299	3 03	905 97	9
Upholsterers	2	309	1 50	463 50	10
Watchman	1	260	1 50	390 00	10
Wheel workers	40	309	1 37	423 33	10
Wood workers	60	305	1 75	533 75	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

BILLARD TABLES, BAR AND STORE FIXTURES—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carpenters	80	300	$1 75	$525 00	10
Carvers	2	300	2 50	750 00	10
Engineers	2	300	2 00	600 00	10
Laborers	56	305	1 75	533 75	10
Turners	4	300	2 00	600 00	10
BOILERS, ENGINES AND TANKS—6 ESTABLISHMENTS.					
Apprentices	3	280	1 00	280 00	10
Blacksmiths	18	304	2 79	848 16	9.6
Boiler makers	31	288	2 97	855 36	10
Boiler makers' helpers	23	296	1 73	512 08	10
Bolt makers	3	308	2 25	693 00	8
Carpenters	3	280	2 12	593 60	10
Draymen	2	280	1 50	420 00	10
Engineer	1	302	2 00	604 00	10
Foremen	3	280	3 62	1,013 60	10
Handymen	7	280	2 00	560 00	10
Helpers	30	299	1 96	576 04	10
Iron workers	97	310	2 00	620 00	10
Laborers	142	300	1 71	513 00	9.4
Machinists	87	307	2 57	788 99	9.2
Machinists' helpers	22	308	2 10	646 80	8
Molders	3	280	2 50	700 00	10
Painters	6	292	2 75	808 50	9
Screw cutters	6	308	2 18	671 44	8
Wood workers	52	310	2 75	852 50	10
BOXES (PAPER)—3 ESTABLISHMENTS.					
Box makers	15	301	1 30	391 30	9.8
Cutter	1	287	2 00	574 00	10
BOXES (WOODEN)—4 ESTABLISHMENTS.					
Box makers	4	300	1 25	375 00	9.7
Box makers (boys)	3	300	75	225 00	10
Cutters	7	300	1 83	549 00	10
Engineers	2	301	2 12	638 12	10
Laborers	28	302	1 33	401 66	10
Machine hands	10	300	1 75	525 00	10
Millman	1	300	2 50	750 00	10
Nailers	14	301	1 89	568 89	10
Sawyers	10	303	1 75	530 25	10
Suit holders	5	300	1 25	375 00	9.5
Teamsters	5	303	1 62	490 86	10
BREAD AND OTHER BAKERY PRODUCTS—10 ESTABLISHMENTS.					
Bakers	67	266	2 02	537 32	9.2
Bakers' helpers	12	290	1 75	507 50	9
Box makers	2	290	83	240 70	9
Drivers	36	280	1 97	551 60	9
Engineers	3	305	1 94	591 70	9.6
Hostlers	3	298	1 93	574 94	9
Icer	1	290	1 50	435 00	9
Laborers	16	329	1 44	473 76	9
Packers	3	290	1 75	507 50	9
Shippers and helpers	11	297	1 66	493 02	9.5
Truckmen	2	290	1 75	507 50	9
Watchman	1	290	1 50	435 00	9
BRICK AND TILE—10 ESTABLISHMENTS.					
Bankmen	21	181	1 76	318 56	9.2
Brakeman	1	280	1 50	420 00	10
Brick makers	35	282	1 50	423 00	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

BRICK AND TILE—10 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Burners	30	198	$1 83	$362 34	9.5
Craneman	1	143	2 50	357 50	8.5
Dryer	1	143	1 50	214 51	8.5
Dumpers	10	165	2 39	394 35	8.8
Edgers	4	190	74	140 60	9.6
Engineers	14	186	2 08	386 88	9
Errand boy	1	140	75	105 00	10
Firemen	2	280	2 00	560 00	10
Foremen	2	151	2 33	351 83	11
Helper	1	143	1 68	240 24	8.5
Hostler	1	143	1 50	214 50	8.5
Laborers	37	189	1 69	319 41	9
Laborers (boys)	2	140	90	126 00	10
Loaders	4	280	1 60	448 00	10
Miscellaneous help	18	200	1 90	380 00	9
Mold washers	4	188	81	152 28	7.2
Pallet boys	5	181	92	166 52	9.2
Pallet men	6	133	1 40	186 20	8.7
Picker	1	140	1 95	273 00	10
Pitchers	4	150	2 55	382 50	8.5
Rackers	11	161	1 95	313 95	8.8
Runner	1	143	3 50	400 50	8.5
Sand boys	4	175	1 08	189 00	8.6
Sanders	8	168	1 51	253 68	9.7
Setters	22	205	3 00	615 00	9.5
Shovelers	6	204	1 50	306 00	8.6
Strike-off men	9	169	1 85	312 65	8.9
Teamsters	29	164	1 80	295 20	9.3
Teamsters (with team)	5	224	3 86	866 64	9.7
Temperers	4	149	2 38	354 62	8.1
Temperers' helpers	2	143	1 75	150 25	8.5
Tossers	6	143	1 95	278 85	8.5
Truckers	31	162	1 78	288 36	8.8
Tub tenders	6	169	1 86	314 34	9.2
Turn brick	1	133	1 25	156 25	9
Turntable boy	9	158	92	145 36	8.5
Watchmen	2	138	1 25	172 50	9.7
Wheelers	45	195	2 52	491 40	9.2
Yardmen	8	138	1 68	231 84	8.2
BROOMS AND BRUSHES—6 ESTABLISHMENTS.					
Broom makers	12	289	1 88	543 32	8.7
Brush makers	100	294	1 83	538 02	10
Brush makers (boys)	55	291	70	203 70	10
Foremen	3	300	3 00	900 00	10
Machinists	2	300	2 25	675 00	10
Sewers	3	269	1 71	455 99	8.8
Sorters	8	297	1 41	418 77	8.7
CARRIAGES AND WAGONS—11 ESTABLISHMENTS.					
Blacksmiths	95	295	1 92	566 40	9.7
Blacksmiths' helpers	50	302	1 40	422 80	9.7
Carpenters	9	300	1 85	555 00	10
Elevator boys and miscellaneous help	9	300	65	195 00	10
Helpers	2	306	1 66	507 96	10
Laborers	46	300	82	246 00	10
Machinists	5	300	2 50	750 00	10
Mechanics	21	300	1 80	540 00	10
Painters	100	296	1 87	553 52	9.6
Shippers	41	300	1 50	450 00	10
Trimmers	2	303	2 25	681 75	9
Watchmen	3	300	1 60	480 00	12
Wheelwright	1	310	2 50	775 00	9
Wood workers	124	299	1 78	532 22	9.8
Yardmen and drivers	23	300	1 58	474 00	9.6

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

CARRIAGE AND WAGON MATERIALS—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Benders	18	304	$1 40	$425 60	10
Blacksmiths	3	305	2 50	762 50	10
Carpenter	1	300	2 50	750 00	10
Cutters	2	305	2 50	762 50	10
Engineers	4	298	2 17	646 66	10
Firemen	2	293	1 55	454 15	10
Foremen	7	300	2 50	750 00	10
Graders and sorters	20	307	1 50	460 50	10
Laborers	78	300	1 36	408 00	10
Machine hands	52	291	1 75	509 25	10
Machine hands' helpers	24	283	1 43	404 69	10
Machinists	2	306	2 75	841 50	10
Packers	10	307	1 50	460 50	10
Paste boys	2	305	75	228 75	10
Sawyers	12	307	1 75	537 25	10
Shippers	9	305	1 67	509 35	10
Stuffers	2	305	2 25	686 25	10
Teamsters	10	301	1 65	496 65	10
Teamster (with team)	1	300	4 00	1,200 00	10
Top makers	2	305	2 50	762 50	10
Watchman	1	300	1 50	450 00	10
Wood workers	2	305	2 00	610 00	10
CHEWING GUM—2 ESTABLISHMENTS.					
Gum makers	2	267	2 87	766 29	9.5
Gum makers' helper	1	264	1 00	264 00	10
CIGARS—13 ESTABLISHMENTS.					
Cigar makers	68	289	1 97	569 33	8
Foreman	1	300	2 60	780 00	8
Laborer	1	300	50	150 00	8
Strippers	8	275	87	239 25	8.2
CLOTHING—32 ESTABLISHMENTS.					
Apprentices	2	290	1 00	290 00	8.5
Bushelmen	7	312	2 21	689 52	10
Button machine operators	2	290	85	246 50	9
Coatmakers	67	306	2 66	813 96	9.7
Cutters	23	290	2 30	667 00	9.5
Foreman	1	300	4 00	1,200 00	10
Helper	1	300	2 50	750 00	10
Helpers (boys)	4	283	85	240 55	9
Machine operators	40	300	3 25	975 00	10
Machinist	1	290	2 00	580 00	9
Packer	1	290	85	246 50	9
Porter	1	290	1 00	290 00	9
Pressers	12	300	1 75	525 00	9
Shipping clerk	1	290	2 00	580 00	9
Stock clerk	1	290	1 50	435 00	9
Tailors	79	252	2 47	622 44	9
Trouser makers	24	304	2 21	671 84	9.6
Vest makers	2	300	2 50	750 00	10
Watchman	1	290	1 10	319 00	9
COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.					
Advertising department hand	1	310	1 50	465 00	10
Engineers, firemen and mechanics	7	310	2 30	713 00	10
Laborers	10	306	2 00	612 00	10
Porters	24	310	1 65	511 50	10
Roasters	12	310	2 25	697 50	10
Spice department hands	9	310	1 65	511 50	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

COOPERAGE—9 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Coopers	41	300	$2 11	$633 00	9.7
Yardmen	4	300	2 22	666 00	10
COPPER AND BRASS GOODS..2 ESTABLISHMENTS.					
Apprentices	2	306	67	205 02	9
Finishers (brass)	9	303	4 69	1,421 07	9
Molders (brass)	5	302	4 41	1,331 82	9
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—2 ESTABLISHMENTS.					
Knitters	2	285	2 00	570 00	10
Pressers	3	285	1 50	427 50	9.5
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—4 ESTABLISHMENTS.					
Buffers	2	300	1 50	450 00	10
Die setter	1	300	2 00	600 00	10
Helpers	8	300	90	270 00	10
Janitor	1	307	1 25	383 75	7
Laborers	4	305	1 12	351 60	8.5
Laboratory employes	3	307	2 33	715 31	8
Packers	2	270	1 00	270 00	9.5
Polisher	1	300	2 25	675 00	10
Solderers	2	300	1 25	375 00	10
Tool setter	1	300	2 50	750 00	10
ELECTRICAL GOODS AND SUPPLIES—4 ESTABLISHMENTS.					
Assemblers	15	306	1 50	459 00	9
Bench hands	9	294	2 11	620 34	9
Cock makers	2	285	2 25	641 25	9
Driver	1	306	1 50	459 00	9
Electricians	3	300	3 00	900 00	8
Engineer	1	285	2 00	570 00	9
Errand boy	1	307	75	230 25	9
Filers	6	296	1 37	405 52	9
Fitters	10	293	1 75	512 75	9
Fitters' helpers	6	288	67	192 96	9
Floor boy	1	307	75	230 25	9
Grinders	6	288	1 58	455 02	9
Laborers	18	285	90	256 50	9
Lacquerers	2	285	1 75	508 25	9
Lathe hands	13	298	2 15	642 70	9
Machine hands	10	306	1 25	382 50	9
Machinists	4	306	2 75	841 50	9
Molders	8	293	2 84	832 12	9
Molders' helpers	5	293	1 35	395 55	9
Packer	1	307	1 75	537 25	9
Pattern maker	1	307	3 00	921 00	9
Platers	2	296	3 25	962 00	9
Platers' helpers	1	307	1 50	460 50	9
Polishers	21	299	2 69	804 31	9
Polishers' helpers	3	307	75	230 25	9
Press hands	8	306	1 50	459 00	9
Shipping clerks	6	288	1 58	455 04	9
Spinners	4	296	2 50	740 00	9
Stock clerk	4	306	1 55	474 30	9
Tapping machine hands	2	306	1 25	382 50	9
Watchman	1	285	1 50	427 50	9
EXTRACTS, TOILET ARTICLES AND PERFUMERY—2 ESTABLISHMENTS.					
Packer	1	306	1 58	477 48	9
Packers' assistant	1	306	67	205 02	9
Perfumer	1	303	2 50	757 50	8

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

FLOURING MILL PRODUCTS—9 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings. 1903.	Average hours of daily labor.
Carpenters	2	263	$2 88	$ 757 44	10
Coal passers	3	263	1 65	433 95	10
Coopers	12	280	1 50	420 00	8
Elevator foreman	1	263	3 84	1,009 92	10
Elevator men	10	263	1 75	460 25	10
Elevator weigh-master	1	263	2 20	578 60	10
Engineers	17	220	2 89	635 80	10.2
Feeders	2	305	2 12	646 50	10
Firemen	12	252	1 90	478 80	9.5
Foremen	5	276	2 28	519 28	10.8
Grinder	1	290	2 00	580 00	10
Helpers	5	275	1 63	448 25	11
Laborers	118	258	1 70	437 20	10
Laborers (boys)	3	263	88	231 44	10
Machinist	1	357	2 50	892 50	12
Millers	21	269	2 51	675 19	11.8
Millers' helper	1	357	1 75	624 75	12
Mill clerk	1	263	2 20	578 60	10
Millwrights	8	218	3 50	763 00	9.7
Oilers	10	268	1 70	455 60	11.6
Packers	36	266	1 99	529 34	11.9
Roll tender	4	263	3 12	820 56	12
Smutters	2	263	1 75	460 75	12
Sweepers	13	270	1 67	450 90	10
Teamsters	8	291	1 90	552 90	10
Teamster (with team)	1	263	3 25	854 75	10
Watchmen	2	284	1 70	482 80	12
Wheat cleaners	2	276	1 92	530 92	10

FOUNDRY AND MACHINE SHOP PRODUCTS—17 ESTABLISHMENTS.

Assemblers	29	300	1 99	597 00	10
Bench hands	32	300	1 35	405 00	10
Blacksmiths	13	301	2 85	857 85	9
Carpenters	8	274	2 50	685 00	10
Cleaners and chippers	22	310	1 50	465 00	10
Core makers	104	274	1 98	542 52	10
Draughtsman	1	300	2 25	675 00	10
Cupola tender	1	309	2 10	648 90	10
Dippers	2	300	1 50	450 00	10
Enamelers	8	300	1 57	471 00	10
Engineers	3	304	2 00	608 00	9.6
Engineers and firemen	7	274	1 88	513 12	10
Finishers	10	300	2 00	600 00	9.2
Flask makers	3	190	2 50	475 00	10
Furnacemen and helpers	48	276	2 02	557 52	10
Grinders	13	297	1 75	519 75	10
Hammermen	5	300	1 75	525 00	10
Handlemen	4	300	1 75	525 00	10
Helpers	161	278	1 50	417 00	9.4
Labelers	2	300	1 25	375 00	10
Laborers	807	279	1 62	451 98	9.9
Machine hands	24	300	1 52	456 00	10
Machinists	145	298	2 17	646 66	9.3
Molders	452	282	2 42	682 44	9.8
Packers	13	300	1 35	405 00	10
Painters	7	300	1 50	450 00	10
Pattern makers	28	284	2 85	809 40	9
Platers and helpers	3	300	1 50	450 00	10
Polishers and buffers	5	300	3 00	900 00	10
Pressmen	6	300	1 50	450 00	10
Riveters	5	295	1 90	560 50	9.8
Shearmen	2	300	1 50	450 00	10
Shipping clerk	1	300	2 50	750 00	10
Steam fitters	15	313	3 00	939 00	8
Stock keeper	1	300	2 25	675 00	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—17 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Teamster	1	300	$1 50	$ 450 00	10
Tinners	2	300	1 87	561 00	10
Watchmen	5	300	1 57	471 00	10.5
Welders	6	300	3 49	1,047 00	10
Wood workers	9	300	1 81	543 00	9.3
FURNITURE—11 ESTABLISHMENTS.					
Apprentices	7	300	1 19	357 00	9
Benders	2	279	1 50	418 50	10
Cabinet makers	87	309	2 32	716 88	9.3
Carpenters	11	308	2 72	837 76	8.3
Carvers	7	298	2 39	712 22	9.4
Chair makers	19	291	1 46	420 96	9.4
Chair makers' helpers	10	312	1 35	421 20	10
Coaters	3	304	2 00	608 00	9
Cover makers	5	300	75	225 00	10
Cutter	1	300	2 00	600 00	10
Draughtsman	1	310	3 00	930 00	10
Engineers	3	293	2 35	688 55	9.6
Fillers	3	304	1 40	425 60	9
Finishers	26	302	1 95	508 90	9.7
Fireman	1	290	2 00	580 00	9
Foremen	2	300	2 38	714 00	10
Helpers	10	295	1 09	321 55	9.7
Laborers	2	302	1 42	428 84	9.5
Laborers (boys)	39	286	87	248 82	9.4
Machine hands	97	294	2 00	588 00	9.5
Machine hands' helpers	10	312	1 50	468 00	10
Machinist	1	280	2 75	770 00	9
Packers	12	298	1 48	441 04	9.5
Rubbers	4	304	2 00	608 00	9
Sanders	2	304	1 00	304 00	9
Shipping clerk	1	300	2 00	600 00	10
Teamsters	3	286	1 56	446 16	9.3
Upholsterers	39	298	2 11	628 78	9.5
Veneerers	7	290	1 60	464 00	9
Watchman	1	290	1 50	435 00	9
Yardmen	9	296	1 50	444 00	9.3
GAS AND ELECTRICITY—2 ESTABLISHMENTS.					
Chargers (retort house)	14	365	2 25	821 25	12
Drip pumpers	2	365	1 25	456 25	10
Electrician	1	365	2 50	912 50	9
Engineers	8	365	2 37	865 05	12
Exhaust-room employes	2	365	1 75	638 75	12
Firemen	14	365	1 76	642 40	9.2
Gas fitters	2	365	2 00	730 00	10
Gas fitters' helpers	4	365	1 65	602 25	10
Laborers	69	365	1 75	638 75	10
Lineman	1	365	2 25	821 25	9
Machinist	1	365	2 75	1,003 75	10
Meter men	8	365	2 00	730 00	10
Steam fitters	3	365	2 25	821 25	9
Water gas makers	2	365	1 80	657 00	12
Water gas makers' helpers	2	365	1 50	547 50	12
GLASS AND GLASSWARE—3 ESTABLISHMENTS.					
Acid room foreman	1	209	2 25	470 25	10
Blacksmith	1	209	3 00	627 00	10
Blowers	550	275	2 25	508 75	9
Box maker	1	209	3 25	679 25	10
Carpenter	1	209	2 25	470 25	10
Coal and ash wheelers	6	209	1 50	313 50	10
Cutters	177	275	2 49	684 75	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

GLASS AND GLASSWARE—3 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Electrician	1	209	$2 50	$522 50	10
Engineer	1	209	2 75	574 75	10
Engineers and helpers	4	209	1 82	380 38	10
Feeders	16	209	5 10	1,065 90	8
Foreman	1	305	3 00	915 00	.....
Furnacemen and helpers	6	209	1 97	411 73	12
Gatherers	48	209	3 25	679 25	8
Glaziers	10	209	1 25	261 25	10
Grinders, packers and shippers	100	275	1 75	481 25	10
Laborers	4	209	1 62	338 58	10
Laborers (boys)	80	209	95	198 55	10
Lehrmen	8	209	1 50	313 50	10
Mixers	2	209	1 87	390 83	10
Mold makers	4	209	2 20	459 80	10
Packers	5	209	3 00	627 00	10
Selector	1	209	2 50	522 50	10
Shippers	3	209	1 83	382 47	10
Stampers	4	209	2 07	432 63	10
Teamster	1	305	1 75	533 75	....
Timekeepers	2	209	1 04	217 36	10
Warehousemen	2	305	1 50	457 50	....
Watchman	1	209	1 71	357 39	10
Water carriers (boys)	2	209	80	167 20	10
HARNESS AND SADDLERY—2 ESTABLISHMENTS.					
Collar makers	15	380	1 50	570 00	10
Harness makers	2	308	1 50	462 00	10
HATS, CAPS AND FURNISHINGS—1 ESTABLISHMENT.					
Blocker	1	301	2 00	602 00	9
Cutter	1	301	1 17	352 17	9
Machine operators	4	301	2 50	752 50	9
IRON (STRUCTURAL AND ARCHITECTURAL)—2 ESTABLISHMENTS.					
Blacksmiths	20	304	2 20	668 80	10
Bridge and structural iron workers	445	305	1 72	524 60	10
Helpers	50	296	.....	.....	10
Iron workers	6	296	2 50	740 00	10
Machinists	31	304	2 14	650 56	10
Molders	16	296	2 75	814 00	10
Pattern makers	2	296	2 00	592 00	10
Riveters	4	296	2 25	660 00	10
Wire workers	5	296	2 08	615 68	10
LIME, SAND, CEMENT AND PLASTER—4 ESTABLISHMENTS.					
Engineer	1	300	2 00	600 00	.....
Foremen	4	293	2 43	711 99	10
Laborers	27	292	1 67	487 64	10
Mortar makers	8	308	1 65	508 20	10
Plaster makers	6	308	1 75	539 05	10
Teamster (with team)	1	290	4 00	1,160 00	10
LIQUORS (DISTILLED)—2 ESTABLISHMENTS.					
Carpenter	1	310	1 75	542 50	10
Laborers	16	310	2 00	620 00	10
Laborer (boy)	1	311	1 00	311 00	8
Machinist	1	310	3 00	620 00	10
Watchman	1	310	1 67	517 70	11
Yardman	1	311	3 00	933 00	8

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

LIQUORS (MALT)—6 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bartender	1	305	$1 50	$ 457 50	9
Bottlers	35	323	1 64	529 72	10
Brew master	1	365	4 00	1,460 00	8
Brewers	28	358	2 51	898 58	9
Brewers' helpers	2	365	1 50	547 50	8
Carpenters	15	309	2 26	698 34	9
Cellermen	35	278	2 70	750 60	9
Engineers	15	322	2 74	882 28	8.9
Fermenters	6	308	2 73	840 84	9
Firemen	11	332	2 07	687 24	8
Foremen	8	274	2 81	769 94	9
Helper	1	365	2 00	730 00	8
Hostlers	17	312	2 58	804 96	10.2
Kettleman	3	310	2 89	895 90	9
Laborers	9	307	1 61	494 27	9.4
Malt tender	1	305	2 50	762 50	9
Peddlers	9	345	2 94	1,014 30	9.1
Shipping clerk	1	305	2 50	762 50	10
Sternewarht	1	310	1 50	465 00	12
Teamsters	16	323	2 23	720 29	9
Washhouse men	30	308	2 52	776 16	9
Watchmen	4	238	1 88	447 44	10.2
MACHINERY—10 ESTABLISHMENTS.					
Apprentices	14	304	93	282 72	9.2
Assemblers	3	290	2 00	580 00	10
Blacksmiths	25	302	2 67	806 34	9.9
Blacksmiths' helpers	29	299	1 71	511 29	9.9
Boiler makers	2	306	2 75	841 50	10
Carpenters	19	302	2 50	755 00	9.8
Carpenters' helpers	2	300	1 75	525 00	10
Die makers	33	307	2 80	859 60	9
Draughtsmen	6	290	3 58	1,038 20	9.3
Draughtsmen's assistant	1	300	1 54	462 00	10
Drivers	3	305	1 55	472 75	9.6
Engineers	8	303	2 02	612 06	9.8
Engineers' helpers	3	302	1 17	353 34	9.6
Enamelers	5	290	2 25	652 50	10
Foremen	8	300	3 40	1,020 00	10
Grinder	1	290	2 25	652 50	9
Helpers	45	306	1 48	452 88	9
Laborers	80	288	1 52	437 76	9.9
Machine hands	35	302	1 52	459 04	9.3
Machinists	246	300	2 43	729 00	9
Machinists' helpers	65	307	1 57	381 51	9.7
Molders	37	306	2 63	804 78	10
Molders' helpers	47	307	1 70	521 90	10
Packer	1	290	1 75	507 50	10
Painter	1	305	2 50	762 50	10
Pattern makers	9	307	3 11	954 77	9.3
Plater	1	290	3 50	1,015 00	9
Polishers	3	290	3 00	870 00	9
Receiving clerk	1	300	1 85	555 00	10
Shipping clerk	3	296	2 08	615 68	10
Store keepers	2	300	2 00	600 00	10
Time keepers	2	300	1 75	525 00	10
Tool makers	2	290	3 25	942 50	9
Watchmen	9	284	1 72	488 48	11.3
Wood workers	5	305	2 00	610 00	10
MARBLE AND GRANITE—2 ESTABLISHMENTS.					
Cutters (granite)	10	307	3 00	921 00	8
Cutters (marble)	6	307	2 13	653 91	9.6
Engineer	1	306	2 50	765 00	10
Polishers	6	306	1 50	459 00	9
Polisher (marble)	1	306	1 50	459 00	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
MATTRESSES AND PILLOWS—2 ESTABLISHMENTS.					
Driver	1	310	$1 50	$ 465 00	10
Filler	1	310	1 50	465 00	10
Finishers	2	310	1 62	502 20	10
Laborers	2	310	1 04	322 40	9
Picker	1	310	58	179 80	10
Spring makers	4	310	1 84	570 40	10
OIL AND GREASE—4 ESTABLISHMENTS.					
Blacksmith	1	313	2 00	626 00	10
Bottleman	1	313	2 88	901 44	10
Brick layers	2	313	3 00	939 00	10
Carpenters	1	313	2 00	626 00	10
Car repairers	12	330	1 93	636 90	10
Coopers	11	302	2 06	622 12	10
Drillers	6	313	4 00	1,252 00	12
Engineers	12	306	2 43	743 58	10.6
Filterer	1	260	2 00	520 00	10
Firemen	14	334	2 10	701 40	11.8
Foremen	2	308	3 58	1,102 64	11
Laborers	63	310	1 89	585 90	10
Machinist	1	313	3 10	970 30	10
Moulders	11	252	1 92	483 84	11.4
Panmen	2	313	2 00	626 00	10
Pipe fitters	9	359	2 01	721 59	10
Pressmen	7	305	2 10	640 50	11
Pumpers	11	313	2 31	723 03	10
Shipping clerk	1	365	2 50	912 50	10
Stillmen	6	330	2 51	828 30	12
Strippers	3	252	1 80	453 60	10
Teamsters	10	313	1 98	619 74	10
Temperers	2	260	1 90	494 00	12
Trimmers	2	260	1 90	494 00	12
Tool dressers	6	313	3 00	939 00	12
Treaters	3	330	2 50	825 00	10
Watchmen	2	286	1 62	463 32	11
PAINTS AND VARNISHES—3 ESTABLISHMENTS.					
Compounder	1	300	1 66	498 00	9.5
Engineers	2	279	2 25	517 75	9
Foreman	1	250	3 25	812 50	8
Grinder	1	250	1 75	437 50	8
Labeler	1	308	1 25	385 00	10
Laborer	1	308	1 50	462 00	9.5
Packers	2	279	1 60	446 40	9
Paint makers	5	308	1 66	511 28	10
Putty maker	1	308	1 83	563 64	10
Shipping clerk	1	308	1 50	462 00	10
Teamsters	3	305	1 67	509 35	9.8
Tinter	1	300	1 66	498 00	9.5
Varnish makers	2	308	2 00	616 00	10
Watchmen	2	279	1 43	398 97	10
PICKLES, PRESERVES AND SAUCES—2 ESTABLISHMENTS.					
Engineer	1	306	2 00	612 00	10
Laborers	15	306	1 50	459 00	10
Processers	3	254	3 67	932 18	9.3
PRINTING AND BINDING—19 ESTABLISHMENTS.					
Apprentices	11	318	67	213 06	9.4
Binders	26	295	2 04	601 80	9
Box makers	3	280	1 45	406 00	8.5
Compositors	78	305	2 07	631 35	9

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

PRINTING AND BINDING—19 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Driver	1	306	$1 50	$ 459 00	9
Engravers	3	306	5 00	1,530 00	9
Errand boy	9	302	54	163 08	9
Finisher	1	306	3 00	918 00	9
Foremen	4	295	3 43	1,011 85	9
Forwarders	3	306	2 75	841 50	9
Helpers	2	306	1 50	459 00	9
Janitors	2	306	1 21	370 26	9
Machine operator	1	308	2 00	616 00	10
Photographer	3	306	2 50	765 00	9
Press boy	3	301	75	225 75	9
Press feeders	20	306	1 45	443 70	9
Pressmen	22	303	2 58	781 74	9
Proof reader	1	306	3 00	918 00	9
Rulers	2	306	2 75	841 50	9
Shippers	1	308	1 75	539 00	10
Wood worker	1	308	2 00	616 00	10
PUMPS AND WATER WHEELS—3 ESTABLISHMENTS.					
Assemblers	3	104	2 25	234 00	10
Carpenter	1	104	2 50	260 00	10
Core makers	3	104	2 00	208 00	10
Drill-press hands	5	104	1 60	166 40	10
Foreman	1	104	3 25	338 00	10
Foundrymen	5	104	1 50	156 00	10
Helpers	9	104	1 57	163 28	10
Lathe hands	4	104	1 60	166 40	10
Machinists	2	104	2 75	286 00	10
Molders	10	104	2 50	260 00	10
Painter	1	104	2 75	286 00	10
Pattern maker	1	104	3 00	312 00	10
Pump fitters	27	301	1 50	451 50	10
Solderers	2	104	2 25	234 00	10
Teamster	1	104	1 75	182 00	10
Tinners	2	104	2 50	260 00	10
SASH, DOORS, LUMBER AND INTERIOR FINISH—15 ESTABLISHMENTS.					
Bench hands	8	275	2 00	550 00	10
Carpenters	60	297	2 20	653 40	9.9
Electricians	1	300	2 12	626 00	10
Engineers	9	283	2 14	605 62	9.8
Estimators	3	300	1 47	441 00	8
Firemen	2	287	1 17	335 79	10
Foremen	9	280	2 57	719 60	9.7
Foremen's assistant	1	280	2 00	560 00	10
Glazier	3	289	1 75	505 75	10
Gluers	2	300	1 66	498 00	10
Helpers	11	290	1 15	333 50	10
Inspector	1	300	2 00	600 00	10
Laborers	109	241	1 44	347 04	9.3
Laborers (boys)	4	294	75	220 50	10
Lumber handlers	7	300	1 40	420 00	10
Mill men	10	306	1 60	489 60	10
Machine men	97	291	2 00	582 00	9.9
Machine men's helpers	10	300	85	255 00	10
Painters and glaziers	6	300	1 75	525 00	10
Shippers	5	292	1 70	496 40	10
Stair builders	2	300	2 50	750 00	10
Teamsters	22	289	1 52	439 28	9.5
Turners	7	300	1 92	576 00	9
Veneerer	2	300	2 00	600 00	9.5
Warehouse men	3	290	1 50	435 00	10
Watchmen	3	300	1 36	408 00	11.3
Yard foremen	2	290	2 12	614 80	10
Yardmen	16	281	1 50	421 50	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
SOAP, CANDLES AND TALOLW—2 ESTABLISHMENTS.					
Boiler	1	307	$2 50	$767 50	10
Chipper	1	307	50	153 50	10
Cutter and presser	1	307	1 50	460 50	10
Draymen	1	307	1 50	460 50	10
Engineers	2	303	1 50	454 50	10
Foreman	1	303	1 60	484 80	10
Kettleman	1	300	1 65	495 00	10
Laborers	5	305	1 15	350 75	10
Shipper	1	307	1 42	435 94	10
Wrappers and packers	9	307	50	153 50	10
SODA AND MINERAL WATERS—3 ESTABLISHMENTS.					
Bottlers	7	303	2 00	606 00	8.5
Bottle washers	8	303	1 22	369 66	8.6
Drivers	12	304	2 11	641 44	8.3
Drivers' helper	1	313	1 16	363 08	10
Engineer	1	300	2 50	750 00	9
Foreman	1	313	3 33	1,042 29	10
Hostlers	2	304	1 62	492 48	8.5
Labeler	1	313	91	284 83	10
Laborers	7	301	1 07	322 07	9.1
Packer	1	306	1 50	459 00	7
Peddlers	2	313	2 91	910 83	10
Shipping clerk	1	313	2 91	910 83	10
Watchman	1	300	1 50	450 00	10
STEEL, IRON AND TIN—3 ESTABLISHMENTS.					
Blacksmith	1	172	2 75	473 00	10
Blacksmiths and helpers	4	258	2 25	580 50	10
Boiler maker	1	258	1 75	451 50	10
Bushelers	21	258	5 00	1,290 00	9
Bushelers' helpers	21	258	3 50	.903 00	9
Bushelers' wheelers	7	258	1 60	412 80	9
Carpenters	3	172	2 65	465 80	10
Carpenters and helpers	2	258	1 75	451 50	10
Cinder men	2	172	2 20	378 40	12
Crane men	2	172	2 40	412 80	12
Dock oilers	2	172	2 96	509 12	11
Dock operators	2	172	3 50	502 00	11
Electricians	2	172	3 25	559 00	12
Engineers	15	217	2 37	514 29	10.9
Fagoters	13	258	2 00	516 00	10
Firemen	34	247	2 00	494 00	9.2
Foremen	6	215	2 00	430 00	10
Grinders	8	306	2 40	734 40	10
Hammer men	6	306	1 40	428 40	10
Heaters	7	306	6 00	1,836 00	9
Heaters' helpers	7	306	3 00	918 00	9
Helpers	14	172	2 40	412 80	12
Iron carriers	16	172	2 50	430 00	12
Keepers	2	172	3 00	516 00	12
Laborers	240	210	1 52	319 20	10
Machinists	4	172	2 65	465 80	10
Mason	1	172	4 40	756 80	8
Millwrights	10	258	2 00	516 00	10
Oilers	6	172	2 20	378 40	12
Pipe fitter	1	172	2 25	387 00	10
Pressmen	5	306	1 25	382 50	10
Puddlers	5	258	4 00	1,032 00	9
Puddlers' helpers	5	258	3 00	774 00	9
Riggers	2	172	3 50	502 00	11
Rollers	7	258	15 00	3,870 00	9
Roll hands	58	258	3 00	774 00	9
Roll turners	2	258	7 00	1,806 00	10

TABLE IV*e*—MANUFACTURES—TOLEDO—Continued.

STEEL, IRON AND TIN—3 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Run downs	7	258	$3 00	$774 00	19
Scale car men	2	172	2 50	430 00	12
Shearmen and helpers	30	258	2 50	645 00	10
Store men	2	172	2 40	412 80	12
Warehouse men	10	258	1 50	387 00	10
Watchmen	7	233	1 64	423 12	12
Water tender	4	172	2 40	412 80	12
Weigh boys	4	258	1 15	296 70	9
STENCILS, STAMPS AND SEALS—2 ESTABLISHMENTS.					
Compositor	1	300	1 75	525 00	10
Engraver	1	300	2 87	861 00	10
Molder	1	300	1 50	450 00	10
Stamp maker	1	300	1 25	375 00	10
Stencil makers	3	308	2 75	847 00	9
STONE (CUT, SAWED AND ARTIFICIAL)—3 ESTABLISHMENTS.					
Asphalt mixers	4	155	2 25	348 75	12
Blacksmith	1	155	2 50	387 50	10
Bricklayer	1	200	3 60	720 00	10
Carpenters	3	184	2 46	452 64	10
Engineers	2	155	2 75	426 25	12
Firemen	2	155	2 16	334 80	12
Foremen	2	155	2 00	310 00	12
Helpers	3	200	1 80	360 00	10
Laborers	8	155	1 50	232 50	10
Machinist	1	155	3 00	465 00	10
Pressmen	4	155	2 00	310 00	12
Shovelers	2	200	1 80	360 00	10
Sidewalk layers	14	238	1 87	445 06	9
Stone cutters	3	200	3 00	600 00	10
Stone mason	1	200	3 60	720 00	10
Stone setters	1	200	3 60	720 00	10
STOVES, RANGES AND FURNACES—2 ESTABLISHMENTS.					
Assemblers	1	310	1 67	517 70	9
Foreman	1	310	3 00	930 00	9
Laborers	18	300	1 35	405 00	10
Molders	18	300	1 65	495 00	10
Mounters	4	300	1 50	450 00	10
Pattern maker	1	310	3 00	930 00	9
Plater	1	310	2 50	775 00	9
Shipping clerk	1	310	1 67	517 70	9
Teamster	1	310	1 25	387 50	9
Tinner	1	310	2 00	620 00	9
TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—13 ESTABLISHMENTS.					
Apprentice	1	306	2 25	688 50	10
Bench workers	18	290	1 75	507 50	10
Blacksmith	1	306	2 25	688 50	10
Copper platers	5	306	1 52	465 12	10
Die setters	3	306	1 68	508 08	10
Engineer	1	306	2 33	712 98	10
Foremen	17	302	2 94	887 88	9.8
Galvanizers	24	305	1 58	481 90	10
Helpers	7	306	1 35	413 10	8.8
Laborers	141	304	1 41	428 64	9.9
Machinists	9	306	2 71	829 26	10
Nailers	8	306	1 26	385 56	10
Packer	1	306	1 50	459 00	10
Painters	2	290	2 00	580 00	10
Pressmen	44	304	1 50	456 00	9.9
Riveters	12	306	1 30	397 80	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—13 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Sheet metal workers	13	306	$2 15	$ 657 90	10
Shipping clerks	4	294	1 93	567 42	10
Solderers	15	304	1 72	522 88	10
Stock clerks	4	306	1 90	581 40	10
Teamsters	4	303	1 62	490 86	9.7
Tinners	66	298	1 81	539 38	9.1
Tinners and slaters	11	300	2 50	750 00	8
Watchman	1	306	1 75	535 50	10
TOOLS—3 ESTABLISHMENTS.					
Blacksmith	1	300	1 75	525 00	9
Grinder	1	300	1 65	495 00	9
Helpers	7	260	1 75	455 00	10
Laborer	1	300	1 60	480 00	9
Laborers (boys)	2	300	50	150 00	9
Machinists	3	300	3 00	900 00	9
Polisher	1	300	1 60	480 00	9
Saw makers	3	260	2 50	650 00	10
WIRE RODS, WIRE CLOTH AND WIRE GOODS—2 ESTABLISHMENTS.					
Carpenters	10	307	1 25	383 75	10
Gate and fence builders	2	257	2 00	514 00	10
Iron workers	6	307	2 00	614 00	10
Machinist	1	257	2 00	514 00	9
Reel helpers	1	257	1 00	257 00	9
Stay hanger	1	257	1 00	257 00	9
Wire workers	6	307	2 00	614 00	10
MISCELLANEOUS—23 ESTABLISHMENTS.					
Apprentices	5	332	70	222 40	8.6
Assemblers	4	304	1 75	532 00	9
Blacksmith	1	350	2 50	875 00	9
Box makers	4	306	2 00	612 00	10
Braziers	2	270	2 75	742 50	10
Bricklayers	11	306	5 45	1,667 70	8.1
Candy maker	1	302	2 00	604 00	9
Carpenters	5	323	2 90	936 70	6
Carpet layers	3	300	1 75	525 00	10
Caser	1	300	1 50	450 00	8
Cooker	1	300	2 75	825 00	8
Coopers	6	300	2 25	675 00	10
Cutters	14	289	1 62	468 18	9.7
Delivery boy	1	306	50	153 00	10
Draughtsman	1	350	2 00	700 00	9
Drayman	1	300	2 00	600 00	10
Drill-press hand	1	304	1 80	547 20	9
Dryer	1	300	2 50	750 00	8
Electrician	1	170	4 00	680 00	8
Electrotyper	1	306	3 50	1,071 00	10
Electrotyper's helper	1	306	75	229 50	10
Engineers	4	311	2 25	699 75	9.7
Engraver	1	300	2 75	825 00	10
Engraver's helper	1	300	1 37	411 00	10
Finishers	8	274	1 90	520 60	10
Finishers' helpers	2	306	1 08	330 84	10
Fireman	1	300	1 75	525 00	10
Foremen	5	300	2 34	702 00	10
Framers	10	290	1 50	435 00	10
Fresco painter	1	307	3 25	997 75	8
Gilders	10	290	2 00	580 00	10
Grinders	3	270	1 75	472 50	10
Gunsmiths	12	270	2 75	742 50	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

MISCELLANEOUS—23 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Gun stockers	4	270	$2 50	$ 675 00	10
Helpers	9	300	1 53	459 00	10
Laborers	70	295	1 93	569 35	9.3
Laborers (boys)	10	300	1 10	330 00	10
Lathe hands	7	300	1 82	546 00	9.8
Machine hands	51	292	1 79	522 68	10
Machinists	48	300	2 09	627 00	9.6
Mechanics	2	300	2 25	675 00	9
Millwrights	5	350	2 75	962 50	9
Packers and helpers	14	306	1 35	413 10	10
Painters	15	302	2 03	613 06	9
Paper hangers	7	307	2 75	844 25	8
Pattern makers	11	295	3 15	929 25	9.9
Planers	4	300	1 65	495 00	10
Plater	1	304	3 00	912 00	9
Polishers	24	287	1 96	562 52	9.9
Porters	2	302	1 75	528 50	9
Pressman	1	300	2 50	750 00	10
Punch press hand	1	304	1 80	547 20	9
Safe workers	16	295	1 50	442 50	10
Shipping clerk	1	302	2 00	604 00	9
Teamsters	15	343	1 56	535 08	10
Telescope makers	2	306	1 50	468 00	10
Tool makers	4	304	3 35	1,018 40	9
Trunk makers	4	306	2 00	612 00	10
Warehouse man	1	365	2 00	730 00	10
Wood workers	13	300	2 50	750 00	8
Wood workers' helpers	13	300	1 50	450 00	8

TABLE IV*e*—MANUFACTURES—TOLEDO—Continued.

AWNINGS, TENTS AND FLAGS—3 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Awning and tent makers	16	306	$ 98	$ 299 88	10
Forewomen	2	298	1 25	372 50	9.7
Machine operators	30	302	1 00	302 00	9.9
BATH CABINETS—2 ESTABLISHMENTS.					
Machine hands	19	300	1 05	315 00	9.3
Machine hands' helpers	6	300	45	135 00	9.5
BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—3 ESTABLISHMENTS.					
Labelers	21	260	70	182 00	8
Painters	12	275	1 00	257 00	10
Press hands	2	260	1 00	260 00	9
Sewers	12	309	1 00	309 00	10
Stock keeper	1	275	1 25	343 75	10
Upholsterers	10	309	1 00	309 00	10
BOXES (PAPER)—3 ESTABLISHMENTS.					
Box makers	41	297	66	196 02	9.7
BOXES (WOODEN)—2 ESTABLISHMENTS.					
Box makers	5	300	85	255 00	9.1
Suit holders	3	300	83	249 00	8.5
BREAD AND OTHER BAKERY PRODUCTS—3 ESTABLISHMENTS.					
Icers	22	290	58	168 20	9
Packers	12	300	68	204 00	10
Shippers	4	290	62	179 80	9
Wrappers	5	175	65	113 75	5
BROOMS AND BRUSHES—3 ESTABLISHMENTS.					
Brush makers	85	293	84	246 12	10
CARRIAGES AND WAGONS—1 ESTABLISHMENT.					
Sewing machine operators	2	300	1 00	300 00	10
CHEWING GUM—2 ESTABLISHMENTS.					
Wrappers	21	265	72	190 80	9.7
CIGARS—7 ESTABLISHMENTS.					
Cigar makers	5	271	1 80	487 80	8
Packer	1	300	1 65	495 00	8
Strippers	9	288	72	207 36	8.9
CLOTHING—31 ESTABLISHMENTS.					
Button sewers	5	290	50	145 00	9
Cutters	2	300	1 25	375 00	9
Finishers	2	290	1 00	290 00	9
Forewomen	7	288	1 28	368 64	9
Handsewers	80	300	70	210 00	7
Inspectors	3	290	50	145 00	9
Helpers	9	298	86	256 28	9.2
Machine operators	521	201	85	170 85	8.1
Pressers	7	298	1 03	306 94	8.1
Pressers and folders	10	290	85	246 50	9
Skirt makers	13	266	90	239 40	8.6
Stock girls	5	290	60	174 00	9
Tailoresses	153	250	1 49	372 50	8.9
Trouser makers	2	303	1 62	490 86	10
Vest makers	21	303	1 41	427 23	9.7

TABLE IV*e*—MANUFACTURES—TOLEDO—Continued.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.					
Advertising department hands	55	310	$1 00	$ 310 00	9
Packers	28	307	91	279 37	9.4
Spice department hands	15	310	1 05	325 50	9
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—3 ESTABLISHMENTS					
Finishers	22	285	86	245 10	9.7
Knitters	190	285	1 12	318 20	9.6
Machine operators	55	298	70	208 60	9
Winders	8	285	50	142 50	8
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—5 ESTABLISHMENTS.					
Compounders	3	313	67	209 71	8
Laborers	2	332	63	209 16	7.5
Packers	6	280	60	168 00	9.6
ELECTRICAL GOODS AND MACHINERY—2 ESTABLISHMENTS.					
Lacquerers	2	307	1 00	307 00	9
Inspectors	2	306	2 00	612 00	9
Press hands	7	306	1 50	459 00	9
Tapping machine hands	2	306	1 25	382 50	9
EXTRACTS, TOILET ARTICLES AND PERFUMERY—2 ESTABLISHMENTS.					
Forewoman	1	306	1 00	306 00	9
Labelers	3	306	50	153 00	9
Laborer	1	300	75	225 00	8
FLOURING MILL PRODUCTS—1 ESTABLISHMENT.					
Sack repairers	2	105	1 00	105 00	10
FOUNDRY AND MACHINE SHOP PRODUCTS—2 ESTABLISHMENTS.					
Laborers	22	300	54	162 00	10
Painters	8	300	80	240 00	10
FURNITURE—3 ESTABLISHMENTS.					
Cutters	2	300	1 25	375 00	9
Fringe makers	2	300	1 00	300 00	9
Sewers	4	297	75	222 75	9.5
GLASS AND GLASSWARE—2 ESTABLISHMENTS.					
Acid room helpers	30	209	63	131 67	10
Crackers off	15	209	1 17	244 53	10
Grinders	34	209	67	140 03	10
Packers and shippers	75	275	75	206 23	10
Paperers	28	209	53	110 77	10
Selectors' helpers	14	209	70	146 30	10
Stampers	9	209	65	135 85	10
Wipers	18	209	65	135 85	10
HATS, CAPS AND FURNISHINGS—2 ESTABLISHMENTS					
Lining maker	1	301	68	204 68	9
Machine operators	3	301	1 25	376 25	9
Milliner	1	313	84	262 92	9
Trimmer	1	301	75	225 75	9
MACHINERY—1 ESTABLISHMENT.					
Janitress	1	300	60	180 00	3

TABLE IV*e*—MANUFACTURES—TOLEDO—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
MATTRESSES AND PILLOWS—2 ESTABLISHMENTS.					
Seamstresses	5	310	$1 14	$ 343 40	10
Weaver	1	310	1 33	412 30	8
PAINTS AND VARNISHES—1 ESTABLISHMENT.					
Labeler	1	308	1 00	308 00	10
PICKLES, PRESERVES AND SAUCES—2 ESTABLISHMENTS.					
Laborers	16	286	1 26	360 36	9.7
PRINTING AND BINDING—7 ESTABLISHMENTS.					
Binders	27	295	83	244 85	8.6
Box makers	7	280	84	235 20	8.5
Compositors	2	299	1 00	299 00	9
Die stampers	8	306	1 00	306 00	9
Folders	2	300	50	150 00	9
Labelers	6	308	60	184 80	10
Press feeders	5	306	60	183 60	9
Proof reader	1	306	1 50	459 00	9
Stitcher	1	306	1 10	336 60	10
SOAP, CANDLES AND TALLOW—1 ESTABLISHMENT.					
Wrappers	5	300	60	180 00	10
STENCILS, STAMPS AND SEALS—1 ESTABLISHMENT.					
Compositor	1	306	1 00	306 00	6
TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—1 ESTABLISHMENT.					
Helpers	43	306	57	174 42	10
Packers	14	306	70	214 20	10
Solderers	10	306	86	263 16	10
Stock clerks	4	306	63	192 78	10
MISCELLANEOUS—7 ESTABLISHMENTS.					
Candy maker	1	302	75	226 50	9
Carpet sewer	1	300	1 00	300 00	10
Caser	1	300	80	240 00	8
Gilders	10	290	1 35	391 50	10
Laborers	7	300	74	222 00	10
Machine operators	65	288	71	402 48	10
Packers	25	300	1 00	300 00	8
Sorters	5	300	60	180 00	8
Stock keeper	4	302	1 00	302 00	9
Strippers	10	300	50	150 00	8
Telescope makers	12	306	75	229 50	9
Trunk makers	4	306	75	229 50	9

TABLE IV*ee*—MANUFACTURES—TOLEDO.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Agricultural implements	Cupola tender	1	16.7	.....
" "	Engineer	1	16.7	.....
Awnings, tents and flags	Awning and tent makers	11	6	.....
Bicycles, bicycle sundries & automobiles	Assemblers	30	5	.....
" " " "	Blacksmiths	35	5	.....
" " " "	Clerks and elevator boys	16	5	.....
" " " "	Draughtsmen	5	5	.....
" " " "	Engineers	11	5	.....
" " " "	Filers	30	5	.....
" " " "	Foremen	7	5	.....
" " " "	Foundry hands	15	5	.....
" " " "	Inspectors	5	5	.....
" " " "	Laborers	24	5	.....
" " " "	Machinists	75	5	.....
" " " "	Painters	60	5	.....
" " " "	Polishers and platers	7	5	.....
" " " "	Shipping clerk	10	5	.....
" " " "	Testers	15	5	.....
" " " "	Tinners	10	5	.....
" " " "	Tool makers	16	5	.....
" " " "	Wood workers	20	5	.....
Billiard tables, bar and store fixtures	Carpenters	80	20	.....
" " " " " "	Carvers	2	20	.....
" " " " " "	Engineers	2	20	.....
" " " " " "	Laborers	56	6.6	.....
" " " " " "	Turners	4	20	.....
Boilers, engines and tanks	Boiler makers	21	6.2	.....
" " " "	Helpers	47	5.4	.....
Boxes (wooden)	Cutters	7	5	.....
" "	Laborers	9	5	.....
" "	Laborers (boys)	3	5	.....
" "	Machine hands	10	5	.....
" "	Teamsters	3	2	.....
Bread and other bakery products	Bakers	14	3.8	.....
" " " " "	Bakers' helpers	12	10	.....
" " " " "	Drivers	13	5.7	.....
" " " " "	Engineer	1	2.2	.....
" " " " "	Hostlers	3	4.7	.....
" " " " "	Icer	1	10	.....
" " " " "	Laborers	6	7.8	.....
" " " " "	Packers	3	10	.....
" " " " "	Shipping clerks	5	8.4	.....
" " " " "	Truckmen	2	12	.....
Brick and tile	Burners	15	7.4	.....
" " "	Burners	6	.....	.06
" " "	Cart men	2	.....	.66
" " "	Clay miners	11	26.3	.....
" " "	Craneman	1	8	.....
" " "	Dryer	1	8	.....
" " "	Dumpers	4	9.6	.....
" " "	Dumpers	2	.....	8.1
" " "	Edgers	2	8.8	.....
" " "	Engineers	5	9.5	.....
" " "	Hostler	1	8	.....
" " "	Laborers	14	4.3	.....
" " "	Miscellaneous help	18	6	.....
" " "	Mold washers	3	9.3	.....
" " "	Pallet boy	2	9.5	.....
" " "	Pallet men	3	10.3	.....
" " "	Rackers	5	8.3	.....
" " "	Rackers	2	.....	13
" " "	Runner	1	8	.....
" " "	Sand boy	1	.....	.08
" " "	Sanders	3	7.8	.....
" " "	Sanders	2	.....	8.1
" " "	Setters	10	8.5	.....
" " "	Shovelers	2	.....	16
" " "	Strikers	3	5.2	.....
" " "	Strikers	2	.....	10.7
" " "	Teamsters	17	8	.....
" " "	Teamsters (with team)	4	14	.....

TABLE IV*ee*—MANUFACTURES—TOLEDO—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Brick and tile	Temperers	2	8	.....
" " "	Temperers' helpers	2	8	.....
" " "	Tossers	8	7.8	.....
" " "	Tub tender	1	7.5	.....
" " "	Tub tenders	2	6.9	.....
" " "	Turn brick boys	6	13.7	.....
" " "	Turntable boys	2	17	.....
" " "	Truckers	14	9.5	.....
" " "	Truckers	6	.....	.08
" " "	Watchmen	2	6.5	.....
" " "	Wheelers	27	7.7	.....
" " "	Yardmen	6	15	.....
Carriages and wagons	Blacksmiths	73	6.6	.....
" " "	Blacksmiths' helpers	44	7.3	.....
" " "	Carpenters	9	6	.....
" " "	Laborers	45	6	.....
" " "	Mechanics	21	6	.....
" " "	Painters	79	7	.....
" " "	Shipping clerks	4	6	.....
" " "	Trimmer	1	20	.....
" " "	Watchmen	3	6	.....
" " "	Wheelwright	1	25	.....
" " "	Wood workers	116	6.3	.....
" " "	Yard men	22	6	.....
Cigars	Cigar makers	35	10.5	.....
"	Strippers	4	20	.....
	Bushelman	1	7	.....
Clothing	Coat makers	16	13.6	.....
"	Cutter	1	10	.....
"	Trouser makers	5	12.6	.....
"	Packers	2	10	.....
Drugs, chemicals and druggists' sundries	Electricians	3	20	.....
Electrical goods and supplies	Packer's assistant	1	33.3	.....
Extracts, toilet articles and perfumery	Engineer	1	25	.....
Flouring mill products	Feeders	2	12.5	.....
" " "	Firemen	2	16.7	.....
" " "	Foreman	1	12.5	.....
" " "	Laborers	13	14.2	.....
" " "	Millers	4	4	.....
" " "	Oilers	8	3	.....
" " "	Teamsters	4	11.3	.....
Foundry and machine shop products	Core makers	80	5.1	.....
" " " " "	Engineers and firemen	7	.....	10
" " " " "	Furnace men and helpers	43	7.5	.....
" " " " "	Laborers	700	5.8	.....
" " " " "	Machinists and helpers	18	.....	10
" " " " "	Molders	265	4.6	.....
" " " " "	Pattern makers	18	9	.....
Furniture	Apprentices	4	10	.....
"	Cabinet makers	36	8.1	.....
"	Carvers	3	5	.....
"	Chair makers	4	10	.....
"	Chair makers' helpers	4	10	.....
"	Draughtsman	1	5	.....
"	Engineer	1	5	.....
"	Finishers	7	3.8	.....
"	Machine hands	48	10	.....
"	Machine hands' helpers	10	10	.....
"	Packers	4	8.5	.....
"	Upholsterer	1	10	.....
Glass and glassware	Cutters	175	5	.....
Hats, caps and furnishings	Blocker	1	20	.....
" " " "	Lining cutter	1	17.5	.....
	Machine operators	4	7.5	.....
Lime, sand, cement and plaster	Foremen	3	9.5	.....
" " " " "	Laborers	4	10	.....
" " " " "	Mortar mixers	8	10	.....
" " " " "	Plaster mixers	6	10	.....
Liquors (malt)	Brewers	3	6.6	.....
" "	Carpenters	14	9	.....
" "	Cellarmen	16	6	.....
" "	Engineers	4	10	.....

TABLE IV*ee*—MANUFACTURES—TOLEDO—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Liquors (malt)	Fermenters	6	5	.....
" "	Firemen	3	3.1	.....
" "	Foremen	4	5	.....
" "	Hostler	14	9	.....
" "	Kettlemen	3	4	.....
" "	Laborers	4	16.7	.....
" "	Peddlers	3	3	.....
Machinery	Blacksmiths	14	10	.....
"	Blacksmiths' helpers	27	10	.....
"	Carpenters	15	10	.....
"	Carpenters' helpers	2	10	.....
"	Die makers	33	10	.....
"	Draughtsmen	2	10	.....
"	Draughtsmen's assistant	1	10	.....
"	Drayman	1	10	.....
"	Engineers	2	10	.....
"	Friemen	2	10	.....
"	Foreman's assistants	8	10	.....
"	Laborers	100	10	.....
"	Machine hands	22	10	.....
"	Machinists	175	10	.....
"	Machinists' helpers	30	10	.....
"	Molders	12	10	.....
"	Molders' helpers	8	10	.....
"	Receiving clerk	1	10	.....
"	Shipping clerks	2	10	.....
"	Store keepers	2	10	.....
"	Teamster	1	10	.....
"	Time keepers	2	10	.....
Marble and granite	Watchmen	4	10	.....
Oil and grease	Marble cutters	4	2	.....
Paints and varnishes	Stillmen	2	4	.....
" " "	Compounder	1	49	.....
" " "	Engineer	1	13.3	.....
Printing and binding	Tinter	1	24	.....
" " "	Apprentices	2	10	.....
" " "	Binders	5	5	.....
" " "	Compositors	38	9.6	.....
" " "	Machine operator	1	25	.....
" " "	Press feeders	5	16	.....
Pumps	Proof reader	1	10	.....
Sash, doors, lumber and interior finish	Pump fitters	22	7	.....
" " " " " "	Carpenters	17	6.7	.....
" " " " " "	Engineer	1	1	.....
" " " " " "	Fireman	1	12.5	.....
" " " " " "	Foremen	2	7.7	.....
" " " " " "	Foreman's assistant	1	5	.....
" " " " " "	Inspector	1	1	.....
" " " " " "	Lumber handlers	7	5	.....
" " " " " "	Machine hands	14	10	.....
" " " " " "	Machine hands' helpers	6	15	.....
" " " " " "	Shipping clerks	2	9.7	.....
" " " " " "	Teamsters	3	3.7	.....
" " " " " "	Veneerers	2	12.5	.....
Soda and mineral waters	Watchman	1	6.5	.....
" " " "	Bottler	1	10.8	.....
" " " "	Driver	1	11.4	.....
" " " "	Foreman	1	33	.....
" " " "	Labeller	1	9.6	.....
Steel, iron and tin	Laborer	1	16	.....
" " " "	Bushelers	21	5	.....
" " " "	Bushelers' helpers	21	5	.....
" " " "	Heaters	7	5	.....
" " " "	Heaters' helpers	7	5	.....
" " " "	Puddlers	5	5	.....
" " " "	Puddlers' helpers	5	5	.....
" " " "	Rollers	7	5	.....
" " " "	Roll hands	58	5	.....
" " " "	Run downs	7	5	.....
Tinware, sheet-iron and galvanized ironware	Bench workers	18	7	.....
" " " " " "	Drayman	1	7	.....
" " " " " "	Foreman	1	7	.....

TABLE IV*ee*—MANUFACTURES—TOLEDO—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Tinware, sheet-iron and galvanized ironware	Galvanizers	5	7	.....
" " " " " "	Laborers	5	7	.....
" " " " " "	Packers and shippers	3	7	.....
" " " " " "	Painters	2	7	.....
" " " " " "	Press hands	3	7	.....
" " " " " "	Solderers	5	7	.....
Miscellaneous	Bronzers	2	10	.....
"	Bricklayers	11	6.3	.....
"	Carpenters	3	12.9	.....
"	Cooker	1	10	.....
"	Finishers	7	10	.....
"	Grinders	3	10	.....
"	Gunsmiths	12	10	.....
"	Gun stockers	4	10	.....
"	Laborers	25	10.5	.....
"	Machinists	30	10	.....
"	Painters	7	11	.....
"	Paper hangers	7	20	.....
"	Polishers	4	10	.....
"	Punch-press hand	1	10	.....
"	Teamsters	3	5	.....
"	Tool makers	4	10	.....
"	Warehouse man	1	5	.....
Totals and averages	.....	4,250	6.5	.....
	.....	48	.....	10.3

TABLE IV*ee*—MANUFACTURES—TOLEDO—Concluded.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employes.	Advanced per cent.	Reduced per cent.
Awnings, tents and flags	Awning and tent makers	16	4	.....
Bread and other bakery products	Icers	22	14	.....
" " " " "	Packers	44	14	.....
Cigars	Cigar maker	1	10	.....
Clothing	Machine operators	14	10	.....
"	Trouser maker	1	16.7	.....
"	Vest makers	6	16.3	.....
Foundry and machine shop products	Laborers	22	7	.....
Hats, caps and furnishings	Lining makers	2	12.5	.....
" " " "	Trimmer	1	12.5	.....
Machinery	Janitress	1	10	.....
Printing and binding	Wire stitcher	1	10	.....
Total and average		131	11.3	.....

TABLE IV*f*—MANUFACTURES—CITIES.

ADVERTISING NOVELTIES AND SIGNS—9 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice	1	309	$ 65	$200 85	10
Artists	29	270	4 53	1,223 10	8
Benders	2	309	4 25	1,313 25	9
Carpenters	8	290	1 50	435 00	9
Cutters	10	292	1 57	478 44	9.1
Designer	1	308	1 75	539 00	10
Die pressmen	6	290	1 25	362 50	9
Enigneers	2	299	1 50	448 50	10.5
Engravers	2	152	3 30	501 60	8
Etcher	1	305	1 50	457 50	9
Feeders	6	298	1 10	327 80	9
Fireman	1	309	1 25	386 25	10
Foremen	3	305	1 83	558 15	9.6
Framer	1	305	1 75	533 75	9
Hammer man	1	300	2 50	750 00	10
Helpers	38	293	1 00	293 00	9
Janitor	1	305	33	100 65	2
Laborers	54	240	1 52	364 80	9.4
Laborers (boys)	7	300	70	210 00	10
Leather workers	23	294	1 71	502 74	9
Lithograph department hands	24	290	4 50	1,305 00	8
Metal worker	1	300	3 50	1,050 00	10
Novelty workers	34	290	1 75	577 50	9
Packer	1	305	1 75	533 75	9
Paste room hand	1	300	1 25	375 00	9
Press feeders	15	249	1 49	371 01	9.2
Pressmen	14	243	3 65	886 95	9.1
Printers	15	301	2 05	617 05	9.2
Rule makers	7	298	130	387 40	9
Shipping clerks	5	302	1 59	480 18	9.2
Sign makers	120	298	1 63	485 74	9
Stencil makers	9	298	1 42	423 16	9
Stock helpers	3	299	1 93	577 07	9.5
Stone grinders	6	290	1 50	435 00	9
Tinners	21	300	1 25	375 00	9
Transferers	5	290	4 66	1,351 40	9
Watchmen	4	299	1 50	448 50	10
Wood workers	51	299	1 25	373 75	9
AGRICULTURAL IMPLEMENTS—27 ESTABLISHMENTS.					
Apprentices	9	295	94	277 30	9.3
Assemblers	24	297	1 63	484 11	9.3
Blacksmiths	276	295	1 96	578 20	10
Blacksmiths' helpers	15	293	1 59	465 87	10
Boiler makers	153	299	1 63	487 37	10
Carpenters	160	297	1 86	552 42	10
Casting cleaners	12	305	1 40	427 00	9.2
Coal handlers	5	304	1 48	449 92	8
Core makers	53	298	1 75	521 50	9.9
Cupola tenders	5	292	1 73	505 16	9.8
Draughtsmen	4	303	3 28	993 84	10
Drill hands	25	305	1 46	445 30	9.3
Engineers	57	296	2 03	600 88	10
Erectors	113	300	1 38	414 00	10
Finishers	23	300	1 85	555 00	10
Ferrule department hands	9	285	1 60	456 00	9
Fireman	1	285	1 75	498 75	10
Fitters	9	281	2 13	598 53	10
Foremen	19	304	2 90	881 60	9.7
Forge hands	52	285	2 50	712 50	9
Foundry men	30	282	2 37	668 34	10
Grinders	27	262	1 96	513 52	10
Helpers	51	278	1 39	386 42	10
Iron workers	10	220	2 40	528 00	9.5
Laborers	1,016	285	1 52	433 20	10
Laborers (boys)	8	301	86	258 86	10

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

AGRICULTURAL IMPLEMENTS—27 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Lumber handlers	20	304	$1 48	$449 92	8
Machine hands	65	300	1 40	420 00	9.2
Machinists	793	302	1 87	564 74	10
Molders	730	297	2 45	727 65	10
Packers	4	280	1 50	420 00	10
Painters	155	299	1 77	529 23	9.8
Pattern makers	66	303	2 41	730 23	10
Polishers	20	283	2 30	650 90	9.2
Rake makers	10	304	1 45	440 80	8
Sawyers	2	300	1 75	525 00	10
Setters-up	37	305	1 57	478 85	9.2
Shippers	5	283	1 84	520 72	9
Teamsters	6	289	1 56	450 84	9.6
Tinners	4	296	2 12	627 52	10
Warehouse man	1	300	2 00	600 00	10
Watchmen	8	292	1 77	516 84	10.2
Wood turners	2	290	3 75	1,087 50	10
Wood workers	248	299	1 77	529 23	9.7
Yard men	30	300	1 63	489 00	10
AWNINGS, TENTS AND FLAGS—1 ESTABLISHMENT.					
Awning hangers	5	250	2 00	500 00	10
BASKETS—3 ESTABLISHMENTS.					
Basket makers	7	110	1 53	168 30	8.6
Engineers	2	191	1 75	334 25	9.5
Foreman	1	288	3 00	864 00	10
Helpers	10	230	1 05	241 50	9.7
Machine hands	7	205	1 75	360 75	9.5
Stockmen	3	288	1 50	432 00	10
Watchman	1	288	1 50	432 00	12
BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—9 ESTABLISHMENTS.					
Assemblers	27	300	1 50	450 00	10
Bag makers	7	302	1 75	528 50	10
Blacksmiths	3	264	2 33	615 12	10
Braziers	2	297	2 25	668 25	10
Buffers	9	302	2 40	724 80	10
Club makers	9	297	3 00	891 00	10
Craters	3	298	1 66	494 68	10
Drillers	5	302	1 50	453 00	10
Enamelers	10	298	1 90	566 20	10
Engineers	4	300	2 06	618 00	10
Filers	5	297	2 50	742 50	10
Finishers	4	297	1 75	519 75	10
Fireman	1	297	1 75	519 75	13
Frame department hands	29	298	1 65	491 70	10
Furnace hands	3	298	1 83	545 34	10
Grip workers	5	302	1 50	453 00	10
Helpers	2	300	1 80	540 00	10
Inspectors	3	298	2 16	643 68	10
Laborers	44	254	1 80	457 20	10
Leather workers	15	302	2 00	604 00	10
Machine hands	41	299	1 76	526 24	10
Machinists	71	297	2 67	792 99	9.8
Mill hands	6	302	1 90	573 80	10
Packers	4	302	1 85	558 70	10
Painter	1	200	2 25	450 00	10
Platers	26	298	2 57	765 86	10
Polishers	25	300	2 43	729 00	10
Pressmen	16	302	1 75	528 50	10
Repairers	2	299	1 70	508 30	10
Shipper	1	297	2 50	742 50	10
Spring makers	5	302	1 75	528 50	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—9 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Stock hands	2	297	$1 87	$555 39	10
Tool makers	24	300	2 96	888 00	10
Watchmen	6	300	1 79	537 00	10.3
Wheel makers	5	297	1 85	549 45	10
Wood workers	8	302	2 00	604 00	10
BILLIARD TABLES, BAR AND STORE FIXTURES—4 ESTABLISHMENTS.					
Cabinet maker	1	312	2 00	624 00	9
Finisher	1	312	2 00	624 00	9
Laborers	7	306	1 20	367 20	10
Machine hands	4	307	1 87	574 09	9.7
Machinist	1	275	2 00	550 00	9
Platers	4	298	1 85	551 30	9.7
Wood workers	40	300	2 15	645 00	9
BOILERS, ENGINES AND TANKS—70 ESTABLISHMENTS.					
Apprentices	75	303	80	242 40	10
Blacksmiths	169	299	2 50	747 50	9.8
Blacksmiths' helpers	36	302	1 72	519 44	9.6
Boiler makers	398	291	2 61	759 51	9.7
Boiler makers' helpers	282	293	1 48	433 64	9.2
Calkers	7	307	3 00	921 00	10
Carpenters	133	295	2 55	752 25	9.9
Casting cleaner	1	300	1 75	525 00	10
Chippers	3	292	1 60	467 20	10
Core makers	83	304	2 41	732 64	9.8
Core makers' helpers	12	302	1 59	480 18	9.7
Crane men	13	306	2 60	795 00	11
Cupola tenders	9	305	2 33	710 65	9.8
Draughtsmen	54	304	2 29	696 16	9.5
Drawing department hands	3	310	2 25	697 50	9
Drill hands	4	293	1 80	527 40	10
Electricians	9	300	2 25	675 00	9.1
Engineers	32	295	2 13	628 35	9.4
Erectors	183	302	2 62	791 24	10
Experimental department hands	4	310	2 67	827 70	10
Firemen	10	302	1 70	513 40	10
Flangers	2	300	3 00	900 00	9
Flangers' helpers	4	300	2 00	600 00	9
Flask maker	1	300	1 75	525 00	10
Foremen	33	296	3 59	1,062 64	9.8
Foundry men	418	291	2 04	593 64	9.5
Handy men	13	293	1 92	562 56	10
Heaters	40	304	1 45	440 80	9.8
Helpers	249	292	1 53	446 76	9.9
Holders-on	32	307	2 25	690 75	10
Iron workers	225	307	2 75	844 25	10
Joiners	40	307	2 90	890 30	10
Laborers	1,476	302	1 55	468 20	9.9
Laborers (boys)	33	305	75	228 75	10
Layers-out	2	300	3 50	1,050 00	9
Machine hands	172	299	1 84	550 16	9.6
Machinists	1,244	300	2 56	768 00	9.9
Machinists' apprentices	64	304	1 14	346 56	9.5
Machinists' helpers	141	303	1 70	515 10	9.5
Metal workers	20	300	2 25	675 00	9
Molders	391	303	2 69	815 07	9.6
Molders' apprentices	12	300	1 23	369 00	9
Molders' helpers	72	303	1 54	466 62	9.3
Painters	128	301	1 79	538 79	10
Pattern makers	131	303	2 38	721 14	9.9
Pattern makers' helpers	2	305	1 50	457 50	9
Piano plate department hands	141	284	2 04	579 36	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BOILERS, ENGINES AND TANKS—70 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pipe fitters	4	307	$1 64	$503 48	10
Plumber	1	306	3 25	994 50	9
Plumber's helper	1	306	1 50	459 00	9
Polishers	8	308	2 50	770 00	10
Riveters	64	307	2 75	844 25	10
Rivet heaters	5	297	1 25	371 25	10
Sheet metal workers	2	306	2 25	688 50	10
Sheet metal workers' helpers	2	306	1 50	459 00	10
Shipping clerks	3	310	1 50	465 00	10
Strikers	5	299	1 62	484 38	10
Teamsters	8	300	1 62	486 00	9.4
Tinners	29	299	2 01	600 99	10
Tool makers	11	289	2 46	710 94	10
Vise hands	8	302	2 10	634 20	10
Ware cleaner	1	302	1 60	483 20	9
Wood workers	32	294	1 86	546 84	10
Watchmen	11	299	1 72	514 28	11.6
BOOTS AND SHOES—18 ESTABLISHMENTS.					
Bottomers	583	275	1 65	453 75	9.8
Bottomers' helpers	154	283	84	237 72	10
Cutters	444	287	1 60	459 20	10
Cutters and apprentices	93	282	98	276 36	10
Cutter (boy)	1	288	50	144 00	10
Engineers	3	297	1 83	543 51	10.7
Finishers	144	278	1 11	308 58	8.4
Fitters	45	291	1 48	430 68	9.9
Foreman	1	270	3 00	810 00	10
Heelers	6	270	1 50	405 00	10
Laborers	76	119	1 77	210 63	9.8
Laborers (boys)	7	296	49	145 04	10
Lasters	585	298	1 70	506 60	9.5
Lasters and apprentices	38	283	1 60	452 80	10
Machine hands	19	296	1 58	467 68	10
Machinist	1	290	1 83	530 70	10
Packers	43	293	1 13	331 09	8.8
Pattern makers	2	300	1 50	450 00	10
Porters	2	300	1 25	375 00	10
Setter	1	288	1 00	288 00	10
Shoe makers	2	300	1 50	450 00	10
Slippers	9	262	1 12	293 44	10
Sole leather department hands	70	260	1 35	351 00	10
Stitchers	3	266	3 00	798 00	10
Stock-room employes	92	293	1 47	431 61	8.7
Stock-room hands and apprentices	69	283	1 00	283 00	10
Treers	28	261	1 54	399 94	10
Turn and welt room hands	43	286	2 11	603 46	10
Turn-room hands and apprentices	40	283	90	254 70	10
Watchmen	2	300	1 50	450 00	12
BOXES (PAPER)—7 ESTABLISHMENTS.					
Box makers	6	305	1 60	488 00	9.6
Cutters	5	301	1 85	556 85	10
Engineer	1	275	1 75	481 25	10
Helpers	3	251	1 00	251 00	10
Foreman	1	251	2 66	667 66	10
Laborers (boys)	10	275	80	200 00	10
Machine hands	8	251	1 50	376 50	10
Packer	2	308	55	169 40	10
Printer	1	275	2 00	550 00	10
Scorer	1	308	1 20	369 60	10
Shipping clerk	1	275	1 75	481 25	10
Stockmen	2	275	1 75	481 25	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BOXES (WOODEN)—10 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Box makers	2	300	$2 87	$861 00	10
Engineers	3	301	1 90	571 90	10
Foremen	11	293	1 91	559 63	10
Laborers	60	287	93	266 91	10
Laborers (boys)	16	260	75	195 00	10
Loom men	4	309	1 50	463 50	10
Lumber pilers	7	309	1 25	386 25	10
Machine hands	13	292	1 57	458 44	10
Nailers	12	276	1 56	430 56	9 9
Painters	2	309	1 35	417 15	10
Planers	2	309	1 25	386 25	10
Polisher	1	285	70	199 50	10
Printers	2	292	1 87	546 04	10
Saw filers	2	309	1 70	525 30	10
Sawyers	44	293	1 37	401 41	10
Tailers	21	309	69	213 21	10
Teamsters	10	299	1 37	409 63	10
Trimmers	5	300	74	222 00	9
Watchmen	2	309	1 42	438 78	12
Winder	1	309	60	185 40	10
Yardmen	36	287	1 50	430 50	10

BREAD AND OTHER BAKERY PRODUCTS—118 ESTABLISHMENTS.

Apprentices	8	307	81	248 67	9.5
Bakers	287	310	2 03	629 30	10.1
Bakers' helpers	20	309	1 40	432 60	9.8
Barrel maker	1	277	2 00	554 00	10
Boiler man	1	277	3 00	831 00	10
Box makers	4	288	1 87	509 76	10
Candy makers	2	305	1 75	533 75	10
Bench men	4	307	2 07	635 49	10
Clerks	16	327	1 74	568 98	9.4
Coopers	2	305	2 00	610 00	10
Cutter	1	365	2 00	730 00	10
Drivers	82	314	1 74	546 36	9.6
Engineers	5	308	2 01	619 08	10.4
Foremen	8	327	2 74	895 98	9.7
Headers and packers	6	285	1 15	327 75	10
Helpers	25	297	93	276 21	10
Hostlers	13	312	1 40	436 80	9.5
Ice cream maker	1	300	1 50	450 00	9
Icers	2	281	2 41	677 21	9.5
Janitor	1	365	1 50	547 50	10
Laborers (boys)	10	330	85	280 50	10
Machine man	1	277	2 33	645 41	10
Mixers	7	282	2 24	631 68	9.2
Nailers	2	277	1 37	379 49	10
Packers and icers	7	305	1 68	512 40	10
Peeler	1	277	1 50	415 50	10
Oven men	16	284	1 74	494 16	9.1
Peddlers	2	300	1 75	525 00	10
Porters	3	285	1 88	535 80	10
Printer	1	313	75	234 75	10
Rollers	2	277	2 16	698 32	10
Rollers' helper	1	277	1 25	346 25	10
Shipping clerks	7	299	2 13	636 87	9.8
Stock hand	1	277	1 50	415 50	10
Teamsters	2	295	1 43	421 85	10
Truckmen	3	285	1 39	396 15	10
Watchmen	2	281	1 48	415 88	11

BRICK AND TILE—108 ESTABLISHMENTS.

Assorters	36	286	1 59	454 74	10
Blacksmiths	7	286	2 82	806 52	10
Blacksmiths' helper	1	227	1 65	374 55	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BRICK AND TILE—108 ESTABLISHMENTS—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Blaster	1	306	$1 60	$489 60	10
Box department hands	8	300	2 00	600 00	10
Branch makers	2	243	2 25	546 75	10
Brick handlers	6	198	1 50	297 00	10
Bricklayers	11	216	4 20	907 20	9
Bricklayers' helpers	6	282	1 60	451 20	9
Brick makers	336	232	1 66	385 12	9.9
Burners	145	247	1 93	476 71	11
Carmen	4	275	1 60	440 00	10
Carpenters	8	289	2 40	693 60	9.5
Carriers	14	213	1 76	374 88	10
Cart drivers	17	205	1 35	278 75	10
Caser	1	120	1 50	180 00	10
Chemist	1	308	1 75	539 00	10
Clay miners	248	270	1 73	467 10	9.6
Coal miners	77	262	2 52	660 24	8
Cutters	2	306	2 00	612 00	10
Decorators	3	300	1 75	525 00	10
Designers	4	290	1 90	551 00	10
Dipper	1	308	2 00	616 00	10
Drawers	14	282	1 80	507 60	9
Dryer	1	198	1 50	297 00	10
Dumpers	10	162	1 87	302 94	8.5
Edgers	2	135	75	101 25	9
Engineers	99	250	2 16	540 00	9.9
Feeders	3	239	1 65	394 35	9.3
Feeders' assistant	1	276	1 50	414 00	10
Fillers	3	200	1 50	300 00	10
Firemen	57	259	1 82	471 38	10
Foremen	63	258	2 59	668 22	10
Gatherer	1	120	1 00	120 00	10
Gin hands	2	200	1 00	200 00	10
Glaziers	50	300	1 65	495 00	10
Grinders	20	300	2 50	750 00	10
Hackers	14	290	1 36	385 40	9.9
Hod carriers	5	135	2 00	270 00	9
Hostlers	3	198	1 50	297 00	10
Kiln hands	87	300	2 05	615 00	10
Laborers	2,111	259	1 57	406 63	9.8
Laborers (boys)	25	223	83	185 09	8.9
Loaders	84	268	1 59	426 12	9.4
Machine hands	36	233	1 67	389 11	9.5
Machinists	26	284	2 41	684 44	10.2
Mechanics	3	290	2 75	797 50	10
Mill tenders	15	210	1 62	340 20	10
Mixer	1	276	2 00	552 00	10
Mosaic department hands	9	300	135	405 00	10
Molders	54	234	1 85	432 90	9
Off-bearers	72	244	1 19	290 36	8.9
Packers	38	298	1 63	485 74	10
Pallet boys	4	125	90	112 50	9.5
Pan men	33	263	1 57	412 91	9.7
Pasters	5	290	1 25	362 50	10
Pit tenders	13	249	1 66	413 34	9.2
Placers	4	308	1 50	462 00	10
Preparers	9	290	1 50	435 00	10
Pressmen	155	280	1 60	448 00	10
Press oilers	2	295	1 65	486 75	10
Pug-mill hands	4	201	1 72	345 72	9
Quarrymen	44	217	1 74	377 58	10
Repairers	3	305	2 15	655 75	10
Roll feeder	1	198	1 60	316 80	10
Sagger makers	10	300	2 02	606 00	9.9
Sanders	11	146	1 53	223 38	8.6
Screeners	2	231	1 00	231 00	10
Setters	181	252	1 92	483 84	9.9
Shooters	5	295	2 00	590 00	10

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

BRICK AND TILE—108 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Shovelers	54	254	$1 68	$426 72	10
Sizers	4	308	1 00	308 00	10
Slip department hands	15	300	2 50	750 00	10
Sorters	2	308	83	255 64	10
Stock hands	6	290	1 35	391 50	10
Strikers	5	147	2 06	302 82	9.1
Teamsters	67	211	1 63	343 93	9.9
Teamsters (with team)	14	184	4 00	736 00	10
Temperers	11	163	1 72	280 36	9.4
Tile makers	20	261	1 43	353 23	10
Timekeeper	1	305	1 65	503 25	10
Tossers	6	246	1 58	388 68	9.6
Transferers	6	211	1 71	360 81	10
Truckers	24	152	1 67	253 84	9.3
Watchmen	7	296	1 74	515 04	10.8
Wheelers	259	248	1 68	416 64	9.9
Yard men	30	150	1 30	195 00	9.9
BROOMS AND BRUSHES—18 ESTABLISHMENTS.					
Apprentice	1	280	1 25	350 00	10
Broom makers	50	236	2 04	481 44	9.4
Brush makers	38	299	1 92	574 08	9.9
Buncher	1	297	1 25	371 25	9
Engineers	2	286	1 50	429 00	10
Foremen	2	300	3 00	900 00	10
Handlers	4	273	1 38	376 74	10
Helper	1	300	50	150 00	10
Laborers	22	290	1 11	321 90	10
Painters	4	170	1 25	212 50	10
Sewers	32	277	2 09	578 93	10
Shipping clerk	1	273	2 00	546 00	10
Sizers	4	273	1 10	300 30	10
Sorters	17	212	1 19	464 28	10
Sorters (boys)	48	294	69	202 80	9.9
Teamster	1	273	1 50	409 50	10
Tyers	53	295	2 10	619 50	9.8
Watchman	1	170	1 28	217 60	11
Winders	11	294	2 00	588 00	10
CANNED GOODS—18 ESTABLISHMENTS.					
Can makers	34	236	1 69	397 94	9
Canners	429	160	1 50	240 00	11
Canners (boys)	156	236	60	141 60	10
Capper	1	98	1 75	171 50	10
Carriers	3	98	1 25	122 50	10
Cook	1	48	1 50	72 00	10
Corn huskers	220	63	1 07	67 41	10
Cutters	2	48	1 50	72 00	10
Dairy department hands	9	365	1 20	438 00	11
Engineers	6	159	2 00	318 00	11.2
Feeders	10	48	1 25	60 00	10
Fillers	3	64	1 50	96 00	10
Fireman	1	48	2 00	96 00	14
Foremen	2	231	3 25	750 75	9.5
Handlers	40	70	1 25	87 50	10
Helpers (boys)	400	70	40	28 00	10
Kettle man	1	48	1 75	84 00	12
Laborers	210	125	1 33	166 25	10
Machine hands	26	69	1 51	109 71	10
Packers	5	156	1 40	218 40	10
Patcher	1	98	1 75	171 50	10
Power hoist hand	1	98	1 50	147 00	10
Processors	50	48	1 50	72 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

CANNED GOODS—18 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Scalders	2	73	$1 62	$118 26	10
Shipping clerks	2	156	1 50	234 00	10
Silker	1	48	1 50	72 00	10
Tank men	12	74	1 89	139 86	10
Teamster	1	275	1 50	412 50	10
Tester	1	48	1 25	60 00	10
Tippers	12	71	1 54	109 34	10
Truck men	45	59	1 25	73 75	10
Warehouse men	13	76	1 44	109 44	9.9
CARRIAGES AND WAGONS—113 ESTABLISHMENTS.					
Assemblers	22	309	2 25	695 25	10
Belt Sanders	2	290	2 00	580 00	10
Blacksmiths	462	285	1 93	550 05	9.7
Blacksmiths' helpers	77	295	1 46	430 70	9.8
Body makers	15	300	2 07	621 00	9.2
Craters	20	284	1 51	428 84	8.9
Dash department hands	5	309	2 50	772 50	10
Emery grinders	9	290	2 25	652 50	10
Engineers	18	281	1 85	519 85	9.5
Erectors	7	304	1 67	507 68	10
Firemen	8	298	1 52	452 96	10
Forgers	2	310	3 50	1,085 00	10
Foremen	15	290	3 00	870 00	10
Foundry men	8	266	1 82	484 12	9
Gear makers	2	312	1 85	577 20	8
Hammer men	5	290	2 00	580 00	10
Harness maker	1	300	1 50	450 00	10
Heaters	5	290	1 00	290 00	10
Helpers	2	300	1 25	375 00	10
Laborers	194	295	1 35	398 25	9.6
Machine hands	120	293	1 72	503 96	9.8
Machinists	13	272	1 92	522 24	9.1
Packers	8	272	1 62	440 64	9.7
Painters	579	286	1 95	557 70	9.5
Painters' helpers	26	285	1 13	322 05	9.5
Pattern makers	2	290	2 50	725 00	10
Press worker	1	300	2 00	600 00	10
Punch and shear hands	10	290	2 00	580 00	10
Setters-up	9	278	1 50	417 00	9.6
Shaft department hands	3	309	2 00	618 00	10
Shippers	24	276	1 57	433 32	9.7
Stock keepers	10	309	1 50	463 50	10
Teamsters	13	294	1 50	441 00	9.8
Trimmers	257	286	2 04	583 44	9.5
Trimmers' helpers	9	294	1 26	370 44	9.9
Wagon makers	8	301	2 46	740 46	9.8
Warehouse men	7	271	1 84	498 64	9.1
Watchmen	7	273	1 36	371 28	11
Wheel makers	19	300	1 57	471 00	8.5
Wood workers	281	284	1 87	531 08	9.5
Wood workers' helpers	3	306	1 33	409 64	10
Yard hands	15	288	1 54	443 52	8.6
CARRIAGE AND WAGON MATERIALS—33 ESTABLISHMENTS.					
Assorters	15	297	1 75	519 75	10
Belters	20	297	1 75	519 75	10
Bench hands	30	261	1 93	503 73	10
Benders	23	292	1 65	481 80	10
Blacksmiths	91	296	2 41	713 36	9.9
Blacksmiths' helper	1	274	1 50	411 00	10
Body makers	18	280	2 75	770 00	10
Bolters	11	272	1 55	421 60	10
Craters	2	274	1 62	443 88	10
Drillers	2	272	1 25	340 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

CARRIAGE AND WAGON MATERIALS—33 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers	17	270	$2 08	$561 60	10
Finisher	1	300	2 00	600 00	10
Firemen	7	282	1 72	485 04	10
Fitters	9	268	2 88	771 84	9.1
Foremen	27	274	2 44	668 56	9.9
Forgers	35	264	2 26	596 64	10
Grinders	12	268	2 00	536 00	9
Hammer man	1	274	2 00	548 00	10
Handle makers	5	305	1 50	457 50	10
Heater men	1	274	2 00	548 00	10
Helpers	11	266	1 03	273 98	10
Hub makers	25	305	1 50	457 50	10
Inspectors	4	286	1 80	514 80	10
Laborers	474	270	1 43	386 10	9.9
Laborers (boys)	14	252	70	176 40	10
Leather workers	82	304	1 75	532 00	10
Machine hands	191	281	1 70	477 70	10
Machinists	16	279	2 42	675 18	10
Mechanics	9	262	1 77	463 74	10
Mill men	51	272	2 11	573 92	9.9
Packers	20	296	1 10	325 60	10
Painters	3	270	1 91	515 70	9.5
Pinner	1	272	2 50	680 00	10
Planer	1	250	1 50	375 00	10
Pole ironers	20	274	1 61	441 14	10
Polisher	1	300	1 00	300 00	10
Punchers	2	272	1 75	441 14	10
Reed workers	6	250	2 00	500 00	10
Rim makers	35	305	1 50	457 50	10
Rounders	10	297	1 75	519 75	10
Sawyers	36	286	1 58	451 88	10
Shearer	1	272	1 50	408 00	10
Shippers	3	285	1 83	521 55	10
Spoke makers	90	305	1 50	457 50	10
Steel workers	9	284	1 50	426 00	10
Sticker	1	284	1 75	497 00	10
Stock keeper	1	274	1 45	387 30	10
Teamsters	7	295	1 81	533 95	10
Timber buyer	1	305	2 00	610 00	10
Turners	12	281	1 85	519 85	9.5
Trimmer	1	300	1 50	450 00	10
Watchmen	9	291	1 44	419 04	9.3
Wheel makers	25	305	1 50	457 50	10
Wood workers	75	297	1 04	308 88	9.9
Yard men	33	306	1 40	428 40	10
CARS AND CAR FURNISHINGS—3 ESTABLISHMENTS.					
Air brakemen	2	225	3 60	810 00	9.5
Blacksmiths	41	295	1 96	578 20	10
Cabinet makers	42	310	250	775 00	10
Car builders	80	305	2 50	762 50	10
Carpenters	3	305	2 50	762 50	10
Draughtsmen	5	305	2 50	762 50	10
Electricians	6	311	3 00	933 00	10
Engineers	5	276	2 48	682 48	10
Erectors	49	323	2 78	897 94	10
Firemen	5	312	1 84	574 08	10.8
Foremen	3	225	2 80	630 00	10
Glaziers	3	305	2 25	686 25	10
Laborers	55	297	1 55	460 35	9.9
Machine hands	29	248	2 48	615 04	9.8
Machinists	45	305	2 34	713 70	10
Painters	75	303	2 25	681 75	10
Pattern makers	2	305	3 00	915 00	10
Pipe fitters	3	305	2 50	762 50	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

CARS AND CAR FURNISHINGS—3 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Repairers	86	225	$2 50	$562 50	9.5
Storehouse employes	2	225	2 00	450 00	10
Teamsters	2	305	2 50	762 50	10
Tinsmiths	5	312	2 35	733 20	10
Truck men	10	257	2 20	565 40	9.7
Watchmen	3	257	1 82	467 74	10.6
Wood workers	18	323	2 50	807 50	10
CHEWING GUM—3 ESTABLISHMENTS.					
Driver	1	70	1 00	70 00	10
Engineer	1	270	1 75	472 50	10
Gum maker	1	253	3 00	759 00	10
Helper	1	270	1 50	405 00	10
Machinist	1	270	2 50	675 00	10
Mixers	2	270	2 12	572 40	10
Packer	1	270	1 75	472 50	10
Roller	1	253	1 50	379 50	10
Watchman	1	270	1 75	472 50	13
CHURNS—2 ESTABLISHMENTS.					
Laborers	5	220	1 20	264 00	10
Painter	1	300	1 50	450 00	10
Wood workers	4	300	1 50	450 00	10
CIGARS—147 ESTABLISHMENTS.					
Apprentices	30	289	78	225 42	8.7
Banders	10	190	35	66 50	9
Bunch breakers	2	281	1 15	323 15	9
Bunchers	13	295	1 01	297 95	8.9
Casers	6	293	1 10	322 30	8.3
Cigar makers	401	288	1 98	570 24	9.5
Cutter	1	305	1 25	381 25	10
Foremen	15	232	2 34	542 88	9.3
Helpers	6	302	82	247 64	9
Laborers	18	244	1 50	366 00	9.5
Laborers (boys)	9	293	64	187 52	9.7
Packers	30	289	2 09	604 01	9.3
Porter	1	292	1 92	560 64	10
Pressmen	2	298	1 37	408 26	10
Rollers	151	280	1 72	481 60	9.4
Shipper	1	292	1 67	487 64	10
Strippers	100	267	72	192 24	9.1
CLOTHING—193 ESTABLISHMENTS.					
Apprentices	3	300	69	207 00	9
Baster	1	280	4 17	1,167 60	9
Bushelmen	9	198	1 16	229 68	9.8
Button-hole maker	1	253	2 50	632 50	9
Chopper	1	175	1 50	262 50	9.5
Clerks	4	300	1 85	555 00	10
Coat makers	401	296	2 49	732 06	9.4
Cutters	73	323	2 74	885 02	10.7
Engineers	3	298	2 00	596 00	9.8
Errand boys	2	287	70	200 90	9.5
Helpers	10	269	1 11	298 59	9.4
Janitors	2	290	1 62	469 80	9.5
Machine operators	4	294	2 70	793 80	9.7
Packers	2	287	1 62	464 94	9
Pants makers	67	295	1 93	572 35	9.3
Piece worker	1	250	2 50	625 00	10
Pressers	18	281	1 78	500 18	9.6
Repairers	2	300	1 33	399 00	9
Shirt makers	2	300	1 75	525 00	9

TABLE IVf—MANUFACTURES—CITIES—Continued.

CLOTHING—193 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Stock boys	20	303	$1 25	$378 75	10
Stock keeper	1	300	3 00	900 00	10
Suspender maker	1	300	1 75	525 00	9
Tailors	92	274	2 35	643 90	9.5
Trimmers	7	280	2 15	602 00	9.4
Vest makers	17	292	1 77	516 84	8.5
Watchmen	6	300	1 50	450 00	10
CLOTHES WRINGERS AND WASH BOARDS—3 ESTABLISHMENTS.					
Laborers	10	306	1 28	391 68	10
Machine hands	5	306	1 50	453 00	9
COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.					
Foreman	1	156	1 66	258 96	10
Laborers	2	262	1 00	262 00	10
Roaster	1	90	1 75	157 50	10
COFFINS AND BURIAL CASES—4 ESTABLISHMENTS.					
Box makers	2	300	1 87	561 00	9
Casket makers	6	293	1 79	524 27	9
Cloth workers	6	296	1 75	518 00	9
Coverer	1	290	1 00	290 00	9
Engineer	1	310	2 50	775 00	10
Fireman	1	290	1 75	507 50	10
Foreman	1	312	2 90	904 80	9.5
Glue worker	1	312	1 50	468 00	9.5
Grainers	4	290	1 75	507 50	9
Laborers	58	296	1 46	432 16	9
Machine hands	11	294	1 87	549 78	9
Metal workers	26	296	1 85	547 60	9
Painters	12	296	1 75	518 00	9
Platers	6	296	1 60	473 60	9
Polishers	12	296	2 25	666 00	9
Teamster	1	290	1 50	435 00	10
Tinners	18	296	1 90	562 40	9
Trimmers	5	310	2 00	620 00	10
Varnisher	1	310	1 75	542 50	10
Watchman	1	290	1 50	435 00	10
Wood workers	33	294	1 97	579 18	9.2
Yard hands	2	290	1 50	435 00	10
CONFECTIONERY—23 ESTABLISHMENTS.					
Apprentice	1	125	50	62 50	12
Baker	1	313	3 00	939 00	10
Baker's helper	1	313	1 00	313 00	10
Candy makers	47	288	1 96	564 48	10
Candy makers' helpers	3	330	1 16	382 80	10
Clerks	2	322	1 85	595 70	10
Drivers	10	350	1 35	472 50	9.9
Foremen	3	300	2 33	699 00	10
Helpers	15	290	93	269 70	9.9
Ice cream makers	6	322	1 80	579 60	10
Laborers	3	343	1 58	541 94	10
Porter	1	310	1 33	412 30	10
Shipper	1	308	2 25	693 00	10
COOPERAGE—28 ESTABLISHMENTS.					
Box filler	1	252	1 35	340 20	10
Box makers	2	306	2 00	612 00	9
Coilers	2	241	1 87	470 60	10
Coopers	248	281	1 97	553 57	9.5
Crate makers	2	303	1 75	530 25	9

TABLE IVf—MANUFACTURES—CITIES—Continued.

COOPERAGE—28 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Culler	1	252	$1 35	$340 20	10
Engineers	7	275	1 77	486 75	10
Feeder	1	230	1 50	345 00	10
Firemen	5	270	1 55	418 50	10
Foremen	8	272	1 86	505 92	10
Helpers	16	300	1 71	513 00	10
Hoop carrier	1	252	1 25	315 00	10
Hoop cutter	1	252	2 00	504 00	10
Janitors	4	250	3 00	750 00	10
Laborers	134	251	1 53	384 03	9.9
Lappers	2	241	1 75	421 75	10
Loaders	3	252	1 35	340 20	10
Log hoister	1	252	1 25	315 00	10
Machine hands	71	285	1 68	478 80	10
Off bearer	1	252	1 25	315 00	10
Oiler	1	252	1 25	315 00	10
Piler	1	230	1 50	345 00	10
Planer	1	252	1 25	315 00	10
Sawyers	17	278	2 05	569 90	9.6
Setter	1	252	1 25	315 00	10
Sorters	2	230	1 50	345 00	10
Stave cutters	2	275	3 00	825 00	10
Stave jointer	1	252	2 00	504 00	10
Tank maker	1	239	1 50	358 50	10
Teamsters	15	276	1 56	430 56	9.8
Timber cutters	8	250	1 50	375 00	10
Watchman	1	252	1 25	315 00	10
Wood workers	7	294	2 00	588 00	9.7
COPPER AND BRASS GOODS—10 ESTABLISHMENTS.					
Apprentices	3	290	1 25	362 50	10
Blacksmiths	2	299	2 32	693 68	9.5
Carpenters	9	300	1 90	570 00	10
Coppersmiths	5	301	2 52	578 52	9.8
Coppersmiths' helpers	2	305	2 12	646 60	10
Core makers	6	303	1 75	530 25	10
Engineers	3	300	2 50	750 00	10
Finishers	102	300	2 04	602 00	10
Firemen	3	300	2 00	600 00	10
Helpers	3	301	1 38	415 38	9.6
Janitors	4	300	1 50	450 00	10
Laborers	53	300	1 39	417 00	10
Laborers (boys)	3	304	75	228 00	10
Machinists	106	300	2 23	669 00	10
Molders	78	300	2 30	690 00	10
Pattern makers	13	304	2 53	769 12	10
Planishers	2	305	2 25	686 25	10
Planishers' helpers	2	120	1 25	150 00	10
Platers	3	298	2 00	596 00	10
Plumbers	2	300	2 50	750 00	10
Shippers	12	300	1 50	450 00	10
CORDAGE AND TWINE—3 ESTABLISHMENTS.					
Apprentices	6	296	80	236 80	10
Ballers and packers	51	324	1 25	405 00	10
Carpenters	6	365	2 00	730 00	10
Cordage department hands	140	296	1 25	370 00	11
Engineers	7	345	2 42	834 90	10
Firemen	5	365	1 45	529 25	10
Foremen	13	365	2 10	766 50	10
Laborers	29	212	1 51	320 12	10
Machinists	23	326	2 36	769 36	10
Preparers	257	317	1 16	367 72	10
Rope makers	39	365	1 29	470 85	10
Spinners	45	273	1 28	349 44	10
Watchmen	4	348	1 45	504 60	12

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—17 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Beamers	2	310	$1 65	$511 50	10
Bleachers	3	308	1 50	462 00	10
Burlers	4	180	1 00	180 00	10
Carders	31	284	1 41	400 44	10
Card boys	2	125	50	62 50	10
Carpenter	1	303	2 50	757 50	10
Cutters	2	270	1 25	337 50	10
Designer	1	303	3 25	984 75	10
Drawer	1	303	2 40	727 20	10
Dressers	6	303	1 87	566 61	10
Dyers	11	257	1 92	493 44	10
Elevator boy	1	310	85	263 50	10
Engineers	11	290	2 01	582 90	10
Finishers	53	293	1 54	451 22	10
Firemen	3	246	1 53	376 38	10
Foremen	14	259	2 64	683 76	10
Helpers	10	217	1 00	217 00	10
Knitters	5	292	2 75	803 00	10
Laborers	13	292	1 38	402 96	10
Loom fixers	10	304	1 57	477 28	10
Machinists	5	302	2 70	815 40	10
Machine operators	6	306	1 50	459 00	10
Millwright	1	305	2 50	762 50	10
Nappers	3	308	1 50	462 00	10
Oilers	2	303	78	236 34	10
Picker and card room hands	7	303	1 39	421 17	10
Picker (boy)	1	305	1 00	305 00	10
Piecers	2	305	96	292 80	10
Shipping clerks	6	302	1 48	446 96	10
Spinners	25	291	1 43	416 13	10
Warpers	3	303	1 83	554 49	10
Wash-room hands	5	271	1 19	322 49	10
Watchmen	5	277	1 54	426 58	10
Weavers	31	277	1 63	451 51	10
Winder	1	125	50	62 50	10
Wool sorters	14	306	1 96	599 76	10

CUTLERY AND EDGE TOOLS—5 ESTABLISHMENTS.

Apprentices	20	300	1 25	375 00	9
Assemblers	44	265	1 75	463 75	9.5
Buffers	11	259	2 06	527 54	9.5
Cutlers	12	300	3 50	1,050 00	9
Die maker	1	300	1 75	525 00	10
Engineer	1	262	2 50	655 00	9.5
Fitters	30	262	2 65	694 30	9.5
Foreman	1	230	2 50	575 00	10
Forgers	16	266	2 50	665 00	8.3
Grinders	35	267	3 00	801 00	9
Handle man	1	230	1 75	402 50	10
Hardener	2	300	2 50	750 00	10
Knife makers	240	240	1 65	396 00	10
Laborers	37	251	1 58	396 58	9.6
Machinists	13	265	2 09	553 85	9.6
Packers	10	262	1 50	393 00	9.5
Photographer	1	300	2 66	798 00	8
Plater	1	230	1 75	402 50	10
Polishers	117	264	2 00	528 00	9.5
Printer	1	300	2 50	750 00	9
Razor makers	4	240	2 25	540 00	10
Ruffers	3	230	1 75	402 50	10
Scrubbers	2	230	75	172 50	10
Shear makers	90	240	2 25	540 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

DAIRY PRODUCTS—8 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Butter makers	11	311	$1 59	$494 49	10
Churn man	1	180	2 00	360 00	10
Drivers	3	303	1 33	402 99	10
Engineer	1	180	2 00	360 00	10
Freezer	1	300	2 00	600 00	8
Laborers	34	291	1 50	436 50	9.4
Oil treater	1	180	2 00	360 00	10
Weighers	2	365	1 20	438 00	12
DENTAL AND SURGICAL CHAIRS—3 ESTABLISHMENTS.					
Bench hands	6	306	2 75	841 50	10
Blacksmith	1	306	2 25	688 50	10
Cabinet makers	12	306	2 50	765 00	10
Enameler	1	290	2 75	797 50	10
Engineer	1	306	2 50	765 00	10
Finishers	4	306	2 25	688 50	10
Grinders	2	289	2 00	578 00	9
Laborers	21	303	1 74	527 22	9.9
Machinists	40	301	2 26	680 26	10
Painters	14	303	2 07	627 21	9.8
Platers	3	297	2 33	650 07	9
Polishers	6	300	2 03	609 00	8.3
Teamster	1	306	1 75	535 50	10
Upholsterers	3	295	2 50	737 50	9.6
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—25 ESTABLISHMENTS.					
Belt maker	1	260	1 25	325 00	9
Bottle washers	2	302	62	187 24	9.2
Carpenter	1	348	2 50	870 00	10
Chemists	2	303	2 16	654 48	10
Firemen	2	348	2 00	696 00	12
Foremen	3	303	2 21	669 63	9.3
Grinders	2	348	2 00	696 00	10
Janitor	1	365	1 59	580 35	7.5
Labeler	1	300	1 00	300 00	10
Laboratory hands	2	160	2 25	360 00	8
Laborers	38	314	1 55	486 70	10
Machinists	5	317	1 96	621 32	10
Mixers	4	290	2 71	785 90	10
Molders	2	348	2 45	852 60	10
Packers	6	302	1 56	471 12	8.8
Painters	4	310	1 62	502 20	10
Porter	1	300	1 25	375 00	8
Press feeders	2	305	1 00	305 00	9
Printer	1	310	75	232 50	10
Shippers	3	323	1 55	500 65	9.1
Still men	3	348	2 00	696 00	12
Wrappers	4	311	1 22	379 42	10
ELECTRICAL GOODS AND SUPPLIES—26 ESTABLISHMENTS.					
Apprentices	10	307	97	297 79	9.4
Armature winders	4	295	2 15	634 25	10
Assemblers	18	308	1 59	489 72	9.7
Builders and constructors	19	306	2 60	795 60	8
Burners	4	285	1 80	513 00	10
Cappers	8	294	1 61	473 34	10
Carpenters	3	300	1 58	474 00	9.3
Cleaners	2	285	1 00	285 00	10
Draughtsmen	4	305	2 00	610 00	9
Electricians	27	300	1 88	564 00	9.4
Engineers	10	282	2 08	586 56	10
Erectors	29	306	1 50	459 00	9
Exhausters	3	294	2 00	588 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

ELECTRICAL GOODS AND SUPPLIES—26 ESTALISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Finishers	18	285	$1 75	$498 75	10
Firemen	2	292	1 76	513 92	12
Foremen	16	293	2 68	785 24	10
Furnace hands	2	235	1 70	399 50	10
Glass cutter	1	294	1 00	294 00	10
Glass workers	6	283	2 16	611 28	10
Inspector	1	294	2 00	588 00	10
Japanners	9	306	2 10	642 60	9
Laboratory hands	4	285	1 50	427 50	10
Laborers	318	283	1 87	529 21	9.9
Laborers (boys)	9	302	85	256 70	10
Lamp department hands	104	292	1 71	499 32	9.5
Machine hands	7	340	1 25	425 00	10
Machinists	130	299	2 11	630 89	9.3
Milling department hands	9	262	1 68	440 16	10
Millwright	1	302	1 75	528 50	10
Miniature department hands	4	285	2 25	641 25	10
Molders	100	283	1 96	554 68	10
Oven department hands	5	285	1 50	427 50	10
Packers	9	269	1 29	347 01	10
Painters	3	301	1 95	586 95	9.3
Pattern makers	4	296	2 62	775 52	9
Photometer department hand	1	285	1 60	456 00	10
Platers	5	255	1 50	382 50	10
Pressmen	4	235	1 35	317 25	10
Pump room hands	10	285	1 50	427 50	10
Refilling department hands	5	285	1 60	456 00	10
Repairers	4	294	2 30	676 20	10
Scrapers	7	270	1 28	345 60	10
Shippers	2	297	1 71	507 87	9.5
Solderer	1	300	1 50	450 00	10
Sorters	5	255	1 25	318 75	10
Store keeper	1	305	1 33	405 65	9
Teamsters	2	300	2 12	636 00	9.5
Transformer department hands	10	306	2 10	642 60	10
Tube makers	7	276	1 69	466 44	10
Watchmen	4	283	1 49	421 67	12.2
Winders	17	303	1 79	542 37	9.2
ELEVATORS AND HOISTING MACHINERY—2 ESTABLISHMENTS.					
Draughtsman	1	128	1 50	192 00	10
Engineer	1	128	1 50	192 00	10
Machinists	8	128	2 50	320 00	10
Wood workers	2	174	1 82	332 68	10
EXTRACTS, TOILET ARTICLES AND PERFUMERY—6 ESTABLISHMENTS.					
Chemist	1	308	1 97	606 76	10
Finishers	45	307	1 19	365 33	10
Glass workers	29	307	1 95	598 65	10
Helpers	2	237	81	191 97	8
Laboratory work	1	300	2 00	600 00	9
Packers	3	307	1 53	469 71	9.6
Shipping clerk	1	325	1 50	487 50	10
Wood workers	23	307	1 93	592 51	10
FERTILIZERS—9 ESTABLISHMENTS.					
Acid men	6	360	1 75	630 00	11
Butcher	1	300	1 75	525 00	10
Engineers	4	302	2 18	658 36	9.7
Foremen	2	300	2 37	711 00	10
Grinder	1	150	2 66	399 00	10
Helpers	14	300	1 25	375 00	10
Laborers	86	333	1 49	496 17	9.8

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

FERTILIZERS—9 ESTABLISHMEMTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Millwrights	2	360	$2 00	$720 00	10
Skinner	1	313	1 25	390 00	9
Teamster	1	313	1 25	390 00	9
Watchman	1	300	1 25	375 00	10
FIREWORKS—2 ESTABLISHMENTS.					
Cane department hands	15	185	1 25	231 25	9
Laborers	15	330	1 50	495 00	10
Molder	1	185	1 25	231 25	9
Packer	1	185	1 25	231 25	9
FLOURING MILL PRODUCTS—100 ESTABLISHMENTS.					
Coopers	49	267	1 84	489 28	9.4
Elevator men	18	280	1 67	467 60	10
Engineers	104	259	1 99	515 41	11
Exchange men	2	320	1 50	480 00	10
Firemen	5	281	2 08	584 48	11
Floor hands	2	300	1 50	450 00	10
Foremen	10	259	2 10	543 90	10
Grinders	3	303	1 83	554 49	11
Helpers	8	295	1 47	434 55	10
Laborers	783	260	1 70	442 00	10
Loaders	3	304	1 64	498 56	10
Millers	171	276	2 20	607 20	10.9
Mill hands	51	235	1 54	361 90	10.5
Millwrights	6	287	2 53	726 11	10
Nailer	1	304	1 50	456 00	10
Oilers	2	231	1 50	346 50	11.5
Packers	61	277	1 77	490 29	10.9
Shippers	15	305	1 53	466 65	10
Sweepers	8	267	1 49	397 83	10
Teamsters	88	288	1 61	463 68	10.9
Warehouse men	3	300	1 50	450 00	10
Watchmen	2	299	2 00	598 00	11
Weighmaster	1	304	1 50	456 00	10
FOUNDRY AND MACHINE SHOP PRODUCTS—108 ESTABLISHMENTS.					
Apprentices	64	240	1 15	276 00	9.9
Axle turners	4	300	2 00	600 00	10
Blacksmiths	63	292	2 46	718 32	9.2
Blacksmiths' helpers	25	291	2 42	704 22	9
Boiler makers	38	300	2 62	786 00	9.9
Boiler makers' helper	1	306	2 00	612 00	9
Bolt makers	11	275	3 50	962 50	10
Bolt makers' helpers	10	275	1 75	481 25	10
Buffers	3	301	2 17	653 17	10
Carpenters	23	238	2 37	564 06	10
Chain makers	78	260	2 52	655 20	8
Chemists	3	297	2 40	712 80	10
Chippers	189	256	1 55	396 80	9.8
Core makers	175	286	2 42	692 12	9.9
Core makers' helpers	2	290	1 75	507 50	10
Crane operators	9	141	1 93	272 13	10
Cupola tenders	28	200	2 01	402 00	9.9
Cupola tenders' helpers	2	259	1 67	432 53	9.5
Cutting machine operators	50	275	1 00	275 00	10
Die sinkers	8	301	3 06	921 06	10
Electricians	12	261	2 20	574 20	10
Enamelers	2	290	2 50	725 00	10
Engineers	27	268	2 22	594 96	10.9
Erectors	6	275	3 00	825 00	8
Firemen	8	299	1 79	535 21	10.6
Fitters	21	297	2 00	594 00	10

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—108 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Flask carrier	1	307	$1 75	$ 537 25	10
Foremen	30	291	3 79	1,102 89	9.9
Forgers	2	275	2 00	550 00	10
Foundrymen	13	60	1 93	115 80	9
Furnace hands	12	249	1 75	435 75	12
Grinders	25	293	1 77	518 61	10
Hammer driver	1	250	1 66	415 00	9
Hammer men	31	282	2 49	702 18	10
Header men	4	275	2 25	618 75	10
Helpers	206	290	1 36	394 40	9.8
Iron workers	14	302	2 25	679 50	9
Japanner	1	295	1 50	442 50	10
Laborers	1,378	271	1 58	428 18	9.1
Laborers (boys)	34	261	85	221 85	10
Link winders	10	260	1 50	390 00	9
Machine hands	73	222	2 23	495 06	10
Machine hands (boys)	18	256	1 57	401 92	10
Machinists	787	285	2 39	681 15	9.9
Machinists' apprentices	16	304	97	294 88	9
Machinists' helpers	92	305	1 50	457 50	9.9
Melters	2	297	6 00	1,782 00	12
Melters' helpers	8	297	2 70	801 90	12
Mill hands	113	275	2 08	572 00	11
Molders	1,331	282	2 65	747 30	9.9
Molders' helpers	122	296	1 66	491 36	9.6
Molding machine operators	7	256	3 76	962 56	10
Mounters	14	301	2 57	773 57	10
Nutters	10	275	1 00	275 00	10
Nut makers	12	275	2 83	778 25	10
Packers	11	279	1 50	418 50	10
Painter	1	280	1 50	420 00	8
Pattern makers	69	294	2 91	855 54	9.9
Pilers	3	275	85	233 75	10
Pipe fitters	4	301	2 25	677 25	10
Planer	1	280	1 66	464 80	10
Platers	9	290	2 38	693 10	10
Plumber	1	256	2 00	512 00	10
Polishers	40	287	2 24	642 88	9
Press hands	10	240	1 75	420 00	10
Repairer	1	100	1 25	125 00	11
Rivet makers	4	275	3 00	825 00	10
Sand cutters	9	295	1 52	448 40	10
Screw makers	115	300	1 75	525 00	10
Shear men	3	275	2 00	550 00	10
Sheet metal workers	8	307	1 75	537 25	10
Shippers	31	275	1 75	481 25	10
Stock keepers	2	297	2 30	683 10	10
Teamsters	3	273	2 08	567 84	10
Threader men	6	275	1 50	412 50	10
Tool makers	4	307	3 00	921 00	10
Trimmers	4	302	2 10	634 20	10
Turner	1	280	2 00	560 00	10
Ware cleaners	9	307	1 50	460 50	10
Watchmen	10	264	1 50	396 00	10
Wheelers	9	250	1 55	387 50	10
Wood workers	13	301	1 78	535 78	9
FURNITURE—37 ESTABLISHMENTS.					
Apprentices	2	300	50	150 00	10
Bench hands	5	232	1 86	431 52	10
Benders	10	282	1 35	380 70	10
Cabinet makers	303	275	1 85	508 75	10
Cabinet makers' helpers	8	306	1 10	336 60	10
Caners	8	303	55	166 65	9
Carvers	21	282	1 71	482 22	9.8
Chair makers	.55	262	1 71	448 02	10

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

FURNITURE—37 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cutter	1	280	$1 65	$462 00	10
Engineers	20	280	2 02	565 60	10
Fillers	7	300	1 28	384 00	10
Finishers	361	274	1 49	408 26	10
Finishers' helpers	2	306	1 00	306 00	10
Firemen	6	282	1 38	389 16	10
Fitters	4	301	1 52	457 52	10
Foremen	7	261	2 80	730 80	9.8
Glazier	1	300	2 00	600 00	10
Glue room hands	10	248	1 45	359 60	10
Grinder	1	310	2 50	775 00	10
Helpers	32	250	91	227 50	10
Jointer	1	280	1 65	462 00	10
Laborers	195	284	1 21	343 64	10
Laborers (boys)	28	302	97	292 94	10
Machine hands	592	273	1 63	444 99	10
Machine hands' helpers	18	306	1 15	351 90	10
Machinists	7	302	1 92	579 84	10
Mill hands	125	292	1 50	438 00	10
Molders	6	310	2 50	775 00	9
Packers	117	271	1 47	398 37	10
Pad maker	1	250	1 00	250 00	9
Painters	2	310	2 10	651 00	10
Planer	1	280	1 65	462 00	10
Polishers	3	300	1 25	375 00	10
Rubbers	3	300	1 25	375 00	10
Sander	1	280	2 50	700 00	10
Sand paperers	3	300	50	150 00	10
Shaper	1	280	2 00	560 00	10
Shippers	8	284	1 71	485 64	9.7
Teamsters	20	275	1 42	390 50	10
Trimmers	2	306	1 50	459 00	10
Turners	19	273	1 68	458 64	10
Upholsterers	50	280	1 84	515 20	9.6
Varnishers	153	293	1 37	401 41	9.9
Watchmen	17	276	1 26	347 76	10
Wood workers	82	295	2 05	604 75	10
Yard men	27	294	1 45	426 30	10
GAS AND ELECTRICITY—78 ESTABLISHMENTS.					
Apprentice	1	365	67	244 45	10
Ash men	2	365	1 50	547 50	12
Carpenters	2	365	1 82	664 30	10
Cleaners	5	365	1 48	540 20	10.8
Coal men	3	365	1 62	591 30	10.6
Collectors	2	365	1 75	638 75	10
Dynamo tenders	2	365	2 40	876 00	12
Electricians	32	356	2 11	751 16	10.2
Electricians' assistant	1	365	1 50	547 50	10
Engineers	124	358	2 11	755 38	11
Field man	1	313	1 00	313 00	5
GLASS WORKS' SUPPLIES—4 ESTABLISHMENTS.					
Blacksmith	1	313	2 00	626 00	10
Bottom layers	4	308	1 83	563 64	8
Brick makers	6	308	1 83	563 64	9.5
Burners	2	308	2 00	616 00	12
Carpenters	2	310	2 25	697 50	10
Clay trampers	6	310	1 58	489 80	9
Draughtsman	1	313	3 33	1,042 29	10
Engineers	2	310	2 50	775 00	11
Fireman	1	308	2 25	693 00	12
Foremen	3	308	3 75	1,155 00	10
Laborers	104	310	1 55	480 50	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

GLASS WORKS SUPPLIES—4 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machinists	2	310	$3 00	$930 00	10
Mill tenders	15	309	1 53	472 77	10
Mold makers	12	304	3 06	930 24	9.5
Pot makers	21	309	2 99	923 91	8.5
Ring makers	2	308	1 67	514 36	9.5
Teamster	1	313	2 00	626 00	10
Watchman	1	308	2 00	616 00	12

GLASS AND GLASSWARE.—24 ESTABLISHMENTS

Artists	10	309	3 00	927 00	8
Ball makers	3	200	4 18	836 00	10
Batchmen	7	201	1 61	323 61	7.6
Blacksmiths	28	242	2 46	595 32	10
Blacksmiths' helper	1	153	1 50	229 50	10
Blockers	17	230	4 00	924 00	10
Blowers	1,160	232	5 21	1,208 72	8.5
Box makers	9	210	1 40	294 00	9.3
Carpenters	3	287	2 13	611 31	10
Carriers	4	306	1 50	459 00	9
Carriers (boys)	59	327	95	310 65	9.3
Chippers	4	350	1 50	525 00	9
Coopers	5	328	2 00	656 00	9.8
Cutters	172	269	2 86	769 34	9.3
Decorators	9	240	2 00	480 00	10
Engineers	19	233	2 11	491 63	11.3
Fillers	2	153	1 75	267 75	12
Finishers	214	251	1 01	253 51	9.5
Flatteners	22	166	7 65	1,269 90	11
Furnace men	78	221	1 92	424 32	11.4
Gas makers	6	153	1 75	267 75	12
Gatherers	872	246	2 19	538 74	8.7
Glass workers	320	270	3 35	904 50	9
Grinders	24	255	1 70	433 50	9.6
Handler	1	240	5 00	1,200 00	9
Laborers	641	248	1 51	374 48	10
Laborers (boys)	988	243	81	196 83	8.9
Laying-up boys	4	151	1 25	188 75	8.5
Lehr boys	8	239	1 00	239 00	8.5
Lehr tenders	20	191	1 66	317 06	11.3
Machinists	13	256	1 91	488 96	10
Marvelors	3	200	4 68	936 00	10
Masons	2	256	3 50	896 00	10
Mixers	12	200	1 81	362 00	9.6
Mold boys	141	222	93	206 46	10
Mold cleaners	2	220	1 50	330 00	10
Mold makers	27	289	3 37	973 93	9
Packers	100	258	1 83	472 14	9.9
Pipe fitters	2	256	1 98	506 88	10
Porter	1	292	1 50	438 00	9
Pressers	17	304	4 00	1,216 00	9
Roller boys	3	156	1 50	234 00	8
Shippers	12	242	3 39	820 38	9.9
Shove boys	6	153	1 20	183 60	12
Shovers-in	6	156	1 85	288 60	12
Snappers	93	1 64	1 65	270 60	7.1
Sorters	55	255	1 62	412 10	10
Teamsters	4	266	1 45	385 70	10
Teasers	2	350	1 75	612 50	8
Warehouse men	4	151	1 75	264 25	8
Watchmen	7	215	1 57	337 55	11
Weighers	3	217	1 25	271 25	10
Wheelers	2	153	1 75	267 75	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
GLOVES AND MITTENS—10 ESTABLISHMENTS.					
Cutters	30	270	$1 27	$342 90	9.8
Finishers	7	275	62	170 50	10
Foreman	1	306	1 65	504 90	10
Glove makers	5	254	1 65	419 10	10
Helpers	11	300	1 24	372 00	9.5
Laborers	8	275	1 45	395 75	10
Packers	3	300	1 21	363 00	9.5
Quilters	3	300	1 65	495 00	10
Wax threader	1	275	3 47	954 25	10
GUNPOWDER AND OTHER EXPLOSIVES—7 ESTABLISHMENTS.					
Carpenters	4	301	2 66	800 66	10
Engineers	2	301	3 07	924 07	11
Farm hands	3	301	1 50	451 50	12
Firemen	3	301	2 15	647 15	12
Foreman	1	301	3 00	903 00	12
Helpers	4	245	2 25	551 25	6.7
Hostlers	4	309	1 20	370 80	10
Keg makers	10	301	1 75	526 75	10
Laborers	58	299	2 10	627 90	10
Machinist	1	301	2 50	752 50	10
Machinist helper	1	301	1 90	571 90	10
Nitroglycerin makers	7	239	3 49	834 11	7
Painter	1	301	1 90	571 90	10
Powder makers	56	236	1 94	457 84	9
Repairer	1	301	3 00	903 00	9
Shooters	30	283	3 58	1,013 14	6.7
Teamsters	15	288	1 72	495 36	8.8
Tinners	10	305	2 25	686 25	10
HANDLES—10 ESTABLISHMENTS.					
Belters	3	300	1 75	525 00	10
Blacksmiths	2	300	2 00	600 00	10
Engineers	7	295	1 94	572 30	10
Equalizer	1	270	1 35	364 50	9
Finishers	18	291	2 17	631 47	9.4
Floor hands	2	285	2 75	783 75	9.5
Foremen	5	300	2 20	660 00	10
Grader	1	300	1 50	450 00	10
Handle grader	1	300	1 50	450 00	10
Handle makers	20	250	1 50	750 00	10
Handle markers	2	285	1 62	461 70	9.5
Helpers	22	300	1 00	300 00	10
Hostlers	2	300	1 00	300 00	10
Inspector	1	300	2 25	675 00	10
Laborers	101	288	1 38	399 44	9.8
Laborers (skilled)	8	285	3 25	926 25	9
Machinists	6	296	2 12	627 52	10
Off bearer	1	270	1 25	337 50	9
Packer	1	300	1 75	525 00	10
Sawyers	29	290	1 93	559 70	9.9
Sawyers' helpers	2	300	1 25	375 00	10
Shipper	1	300	2 25	675 00	10
Teamsters	4	300	1 50	450 00	10
Turners	11	279	2 33	650 07	10
Watchmen	2	285	1 25	356 25	10
Wood workers	9	300	2 02	606 00	10
Yard hand	1	300	1 35	405 00	10
HARDWARE—12 ESTABLISHMENTS.					
Annealers	22	302	1 67	511 02	10
Assemblers	20	188	1 00	188 00	10
Blacksmiths	22	302	1 97	594 94	10
Bronzers	12	296	4 00	1,184 00	10

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

HARDWARE—12 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Buffers	3	188	2 00	376 00	10
Carpenter	1	302	2 00	604 00	10
Case makers	3	188	1 50	282 00	10
Chippers	25	296	2 50	740 00	10
Drillers	50	296	2 25	666 00	10
Engineers	5	261	2 35	613 35	10.1
Fireman	1	302	1 90	573 80	10
Fitters	73	302	1 45	437 90	10
Foremen	3	291	2 50	727 50	10
Foundry men	30	188	2 00	376 00	10
Hammer men	3	209	2 00	418 00	9.5
Helpers	50	296	2 00	592 00	10
Hook makers	7	300	2 50	750 00	10
Japanners	20	298	2 46	733 08	10
Laborers	254	274	1 49	408 26	9.9
Laborers (boys)	7	308	90	277 20	10
Lathe turners	9	291	1 80	523 80	10
Machine hands	15	300	1 50	450 00	10
Machinists	17	289	2 53	731 17	9.9
Mechanics	3	306	1 50	459 00	10
Molders	86	298	3 35	998 30	10
Molders' helpers	13	302	1 33	401 66	10
Operators	27	308	1 60	492 80	10
Ornamenters	4	296	4 00	1,184 00	10
Packers	13	302	95	286 90	10
Pattern makers	5	256	2 53	647 68	10
Plater	1	188	2 00	376 00	10
Polishers	73	291	1 71	497 61	10
Pressmen	2	209	1 50	313 50	9.5
Reel makers	12	300	2 00	600 00	10
Sawyers	2	291	1 50	436 50	10
Tinners	10	300	1 85	555 00	10
Tool makers	2	300	3 00	900 00	10
Varnishers	2	209	1 25	261 25	9.5
Watchmen	5	257	1 50	385 50	10
Wood workers	7	209	1 50	313 50	9.5
HARNESS AND SADDLERY—14 ESTABLISHMENTS.					
Coach pad makers	6	300	1 60	480 00	10
Collar makers	27	300	1 50	450 00	10
Foremen	4	300	2 50	750 00	10
Halter makers	26	285	1 40	399 00	10
Harness makers	92	300	1 50	450 00	10
Helpers	2	306	75	229 50	10
Net makers	5	300	1 50	450 00	10
Saddle makers	19	301	1 70	511 70	9.5
Strap makers	4	300	1 50	450 00	10
Tanners	30	300	1 75	525 00	10
HATS, CAPS AND FURNISHINGS—2 ESTABLISHMENTS.					
Cutter	1	275	75	206 25	9.5
Laborers	9	290	1 75	507 50	8
HOLLOW WARE—2 ESTABLISHMENTS.					
Annealers	2	307	1 80	552 60	10
Blacksmiths	2	307	2 00	614 00	10
Burners	10	307	2 50	767 50	10
Dippers	8	307	97	297 79	10
Firemen	3	307	1 85	567 95	10
Galvanizers	27	307	1 45	445 15	10
Laborers	101	296	1 30	384 80	10
Machine hands	6	307	2 50	767 50	10
Mill hand	5	307	1 95	598 65	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

HOLLOW WARE—2 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Molders	60	295	$2 25	$663 75	9
Packers	10	307	1 42	435 94	10
Picklers	29	307	1 05	322 35	10
Polishers	30	295	1 75	221 25	10
Riveters	10	307	2 25	690 75	10
Scalers	7	307	1 50	460 50	10
Shipper	1	307	2 00	614 00	10
Stampers	41	307	1 50	460 50	10
ICE (ARTIFICIAL)—31 ESTABLISHMENTS.					
Bottlers	4	310	1 50	450 00	10
Bottlers' helpers	2	300	1 00	300 00	10
Brewers	4	300	1 75	525 00	10
Cutters	95	24	1 64	39 36	10
Drivers	141	270	1 86	502 20	11
Engineers	51	238	2 26	537 88	12
Firemen	15	271	1 77	479 67	12
Foremen	3	300	2 88	864 00	12
Helpers	29	240	1 70	408 00	10
Hostler	1	279	1 66	463 14	10
Ice pullers	30	236	1 56	368 16	12
Laborers	27	290	1 72	498 80	10
Machinists	2	200	2 50	500 00	12
Tank men	26	289	1 96	566 44	11.4
IRON (STRUCTURAL AND ARCHITECTURAL)—16 ESTABLISHMENTS.					
Blacksmiths	52	252	2 81	708 12	10
Blacksmiths' helpers	103	302	1 64	495 28	9.4
Boiler makers	10	306	3 30	1,009 80	9
Bolters	26	102	1 69	172 38	10
Bridge builders	270	307	1 89	600 23	9.5
Carpenters	6	102	2 50	255 00	10
Draughtsmen	15	304	3 58	1,088 32	9
Electricians	10	244	2 33	568 52	9.5
Engineers	6	299	2 37	708 63	9.8
Erectors	3	270	2 00	540 00	10
Fence builders	29	293	1 53	448 29	9.9
Firemen	2	306	1 80	550 80	9
Fitters	93	297	2 10	623 70	9.5
Foremen	6	277	3 33	922 41	10
Furnace builders	50	306	3 80	1,162 80	9
Furnace builders' helpers	59	306	2 50	765 00	9
Heaters	10	306	1 15	351 90	9
Helpers	13	293	1 52	445 36	10
Iron workers	58	301	1 64	493 64	9.9
Jail makers	80	295	1 65	486 75	10
Laborers	267	262	1 60	419 20	10
Layers-out	27	211	2 50	527 50	9.6
Loaders	9	304	1 50	456 00	9
Machine hands	75	295	2 26	666 70	9.6
Machinists	86	276	2 68	739 68	10
Painters	12	225	1 48	333 00	9.6
Pattern makers	1	291	2 90	843 90	10
Pattern maker apprentice	1	291	1 25	363 75	10
Power house hands	3	306	2 28	697 68	9
Punchers	47	259	2 29	593 11	10
Riveters	53	218	1 89	412 02	9.5
Riveters' helpers	24	290	1 75	507 50	10
Shear men	4	102	1 97	200 94	10
Straighteners	5	304	1 75	532 00	9
Structural workers	108	295	1 67	492 65	10
Template makers	17	219	3 17	694 23	9.5
Watchmen	3	304	1 70	516 80	9

TABLE IVf—MANUFACTURES—CITIES—Continued.

JEWELRY AND WATCHES—4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Balance workers	9	291	$6 75	$1,964 25	10
Damaskeeners	15	291	4 36	1,268 76	10
Dial makers	12	291	7 00	2,037 00	10
Engineer	1	285	2 00	570 00	10
Engravers	194	287	2 35	674 45	10
Escape makers	20	291	4 50	1,309 50	10
Finishers	81	290	5.95	1,725 50	10
Gilders	6	291	3 40	989 40	10
Inspectors	3	285	1 66	473 10	10
Jewelers	51	291	3 55	1,033 05	10
Jointers	52	287	2 35	674 45	10
Laborers	89	288	2 40	691 20	10
Machine hands	66	289	3 18	919 02	10
Machinists	6	285	2 21	629 85	10
Melters	31	288	2 40	691 20	10
Motion makers	22	291	2 19	637 29	10
Pinion makers	22	291	4 11	1,196 01	10
Platers	100	288	2 65	763 20	10
Polishers	116	287	2 33	668 71	10
Press room hands	7	285	1 84	524 40	10
Repairers	9	291	3 00	873 00	10
Screw makers	29	291	3 35	974 85	10
Spring department hands	4	285	1 75	498 75	10
Turners	7	285	2 03	578 55	10
Watch makers	2	300	3 00	900 00	9
Watchman	1	285	1 58	450 30	10
LEATHER AND LEATHER GOODS—11 ESTABLISHMENTS.					
Apprentices	3	328	1 00	328 00	10
Beamsters	12	299	1 83	547 17	10
Belt makers	15	328	2 20	721 60	10
Belt riveter	1	328	1 50	492 00	10
Belt stretchers	3	328	2 33	764 24	9
Curriers	28	311	1 87	581 57	10
Engineers	5	305	2 04	622 20	10.2
Foremen	2	285	3 33	949 05	10
Grainers	6	300	2 66	798 00	9
Helpers	2	328	1 42	465 76	10
Laborers	88	306	1 62	495 72	10
Patcher	1	285	1 75	498 75	10
Pebbler	1	285	2 00	570 00	10
Picker maker	1	328	1 40	459 20	10
Scrap boy	1	328	1 00	328 00	10
Shavers	8	305	2 56	780 80	9.5
Shipper	1	328	2 00	656 00	10
Softeners	2	285	1 75	498 75	10
Splitters	2	296	3 16	935 36	10
Splitters' helpers	2	285	1 58	450 30	10
Table hands	2	285	1 70	484 50	10
Tackers	2	285	1 10	313 50	10
Tanners	43	303	1 66	502 98	10
Teamster	1	308	1 50	462 00	10
Trimmers	2	306	1 51	462 06	10
Watchmen	2	306	1 65	504 90	11
Yard hands	15	299	1 50	448 50	10
LIGHTING APPARATUSES—5 ESTABLISHMENTS.					
Buffers	4	315	1 50	472 50	10
Carpenter	1	306	1 90	581 40	9.5
Engineers	2	288	2 00	576 00	10
Foreman	1	306	2 38	728 28	9.5
Laborers	55	279	1 29	359 91	10
Lamp makers	4	308	2 25	693 00	10
Machinists	20	311	1 85	575 35	9.9

TABLE IVf—MANUFACTURES—CITIES—Continued.

LIGHTING APPARATUSES—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Mechanics	4	308	$1 65	$508 20	10
Molders	4	315	2 50	787 50	10
Packers	3	315	1 50	472 50	10
Painters	2	306	1 78	544 68	9.5
Testers	12	315	1 75	551 25	10
Tinners	14	313	1 70	532 10	9.5
Watchman	1	270	1 40	378 00	12
LIME, SAND, CEMENT AND PLASTER—34 ESTABLISHMENTS.					
Blacksmiths	5	284	2 40	681 60	10
Burners	3	186	2 83	526 38	11
Car men	2	365	1 65	602 25	10
Carpenters	9	330	2 36	778 80	10
Cart boys	10	365	1 20	438 00	10
Chemist	1	250	2 50	625 00	10
Cook	1	365	1 66	605 90	10
Coopers	18	346	2 29	792 34	10
Crane men	1	215	1 75	376 25	10
Crusher men	16	365	1 75	638 75	10
Deck hands	5	291	1 52	442 32	10
Drillers	9	253	1 77	447 81	10
Engineers	38	285	2 23	635 55	11.9
Firemen	8	249	1 69	421 81	10
Foremen	28	285	2 47	703 95	10.4
Grinders	9	183	1 83	334 89	11
Kiln hands	2	183	1 50	274 50	12
Laborers	404	270	1 60	432 00	10
Lime burners	20	327	1 88	614 76	10
Lime men	4	155	1 90	294 50	11
Loaders	25	365	1 65	602 25	10
Machine tenders	2	252	2 04	514 08	10
Machinists	16	283	2 07	585 81	10
Millers	20	300	1 86	558 00	12
Mill hands	71	241	1 81	436 21	11.3
Miners (coal)	61	250	2 19	547 50	8
Miners (limestone)	34	250	1 68	420 00	10
Mixers	2	183	1 62	296 46	10
Motormen	2	300	2 00	600 00	12
Oilers	12	208	1 96	407 68	12
Packers	2	183	2 00	366 00	8
Quarrymen	89	311	1 68	522 48	10
Shopmen	3	365	1 65	602 25	10
Shovelers	37	259	1 79	463 61	10
Teamsters	90	273	2 70	737 10	10
Truck man	1	365	1 65	602 25	10
Warehouse man	1	300	2 00	600 00	10
Wheelers	16	365	1 65	602 25	10
LIQUORS (DISTILLED)—17 ESTABLISHMENTS.					
Bottlers	2	300	1 50	450 00	10
Bottle washers	3	312	1 20	374 40	10
Carpenter	1	312	1 50	468 00	10
Cellar men	11	300	1 81	543 00	10
Champagne makers	5	310	1 37	424 70	10
Chemist	1	309	5 55	1,714 95	10
Distiller	1	312	2 50	780 00	10
Engineers	3	307	2 00	614 00	10
Foremen	2	306	2 50	765 00	10
Helpers	3	312	1 04	324 48	10
Laborers	68	224	1 58	353 92	10
Pressman	1	24	1 50	36 00	8
Rectifiers	2	312	1 75	546 00	10
Shippers	3	310	1 80	558 00	9
Wine makers	19	306	1 47	449 82	9.7

TABLE IVf—MANUFACTURES—CITIES—Continued.

LIQUORS (MALT)—48 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	3	315	$1 16	$ 365 40	9
Bar tenders	3	306	1 26	385 56	9
Boiler room men	2	312	2 00	624 00	10
Bottlers	97	304	1 61	489 44	9.5
Brewers	139	310	2 34	725 40	9
Brew-masters	8	316	5 48	1,731 68	10.3
Carpenters	9	299	2 26	675 74	9.3
Cellar men	92	320	2 37	758 40	9.5
Collectors	5	249	2 92	727 08	10
Coopers	11	335	2 47	827 45	9
Drivers	182	311	2 22	690 42	9.9
Drivers' helpers	2	312	1 75	546 00	10
Engineers	94	310	2 61	809 10	10
Firemen	30	305	1 99	606 95	10
Foremen	6	311	3 25	1,010 75	9.3
Hostlers	22	331	1 99	658 69	9.9
Ice drawers	7	310	1 70	527 00	10
Ice makers	24	326	1 81	590 06	10
Kettle men	14	263	2 66	699 58	9
Laborers	74	310	1 69	523 90	9.7
Maltsters	14	321	2 37	760 77	9.9
Oilers	2	313	2 00	626 00	12
Tank men	7	301	1 50	451 50	11
Wash-house hands	50	324	2 34	758 16	9.5
Watchmen	14	322	2 09	672 98	11
LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—6 ESTABLISHMENTS.					
Apprentices	6	306	66	201 96	8.6
Artists	5	293	3 50	1,025 50	8.5
Cutters	2	273	2 50	682 50	10
Engravers	3	301	3 16	951 16	8.1
Etchers	4	308	3 16	973 28	9
Etchers' helper	1	311	2 52	783 72	9
Finishers	2	311	3 60	1,119 60	9
Folder	1	273	1 75	477 75	10
Grinder	1	273	2 25	614 25	9
Helpers	5	273	1 00	273 00	10
Janitors	2	273	1 50	409 50	10
Packer	1	273	1 50	409 50	10
Photographers	5	309	3 61	1,115 49	9
Photographers' helper	1	311	1 62	503 82	9
Press feeders	7	273	1 50	409 50	10
Pressmen	5	273	3 55	1,029 15	9.5
Printers	10	280	2 40	672 00	9
Routers	4	309	2 18	673 62	9
Transferer	1	273	3 60	982 80	9
MACHINERY—80 ESTABLISHMENTS.					
Apprentices	180	306	1 13	345 78	9.5
Assemblers	12	302	3 10	936 20	10
Bench hands	5	290	2 20	638 00	9
Blacksmiths	243	303	2 46	745 38	9.9
Blacksmiths' helpers	157	303	1 63	493 89	10
Boiler makers	62	303	2 85	863 55	10
Boiler makers' helpers	47	307	2 25	690 75	10
Bolt cutter	1	306	1 50	459 00	10
Carpenters	111	358	2 38	852 04	9.9
Casting cleaners	4	302	2 86	863 72	10
Chain makers	11	305	2 30	701 50	10
Chippers	11	286	1 80	514 80	9
Core makers	49	301	2 36	710 36	10
Core makers' apprentices	4	296	1 34	396 64	9
Coopers	2	304	2 25	684 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

MACHINERY—80 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Crane men	20	296	$1 76	$520 96	9.6
Cupola tenders	10	293	2 12	621 16	9.4
Draughtsmen	65	301	2 55	466 55	8.7
Drill-press hands	7	300	2 00	600 00	10
Electricians	33	308	1 71	526 68	9
Engineers	37	290	2 12	614 80	9.5
Engineers (mechanical)	2	306	11 00	3,366 00	10
Engine tester	1	302	3 33	1,005 66	10
Erectors	37	297	1 93	573 21	10
Firemen	9	297	1 80	534 60	10
Fitters	2	300	2 00	600 00	10
Floor men	15	306	2 60	795 60	9
Foremen	21	266	3 52	936 32	10
Foundry hands	16	305	2 00	610 00	10
Foundry helpers	27	305	1 75	533 75	10
Grinder	1	290	2 00	580 00	9
Helpers	249	302	1 40	422 80	9.5
Inspector	1	305	4 85	1,479 25	10
Iron workers	15	299	1 75	523 25	10
Janitor	1	286	1 75	550 00	9
Laborers	1,529	340	1 55	527 00	9.7
Laborers (boys)	23	305	65	198 25	10
Machine hands	85	297	1 93	573 21	9.5
Machinists	2,050	301	2 25	677 25	9.6
Machinists' apprentices	124	306	83	253 98	9.1
Machinists' helpers	214	305	1 61	491 05	9.4
Mason	1	305	2 50	762 50	10
Millwright	1	295	3 00	885 00	10
Molders	697	301	2 56	770 56	9.9
Molders' apprentices	23	305	1 25	381 25	9.5
Molders' helpers	17	303	1 55	469 65	10
Painters	65	302	1 91	576 82	10
Pattern makers	161	299	2 69	804 31	9.5
Pattern makers' apprentices	8	288	94	270 72	9.5
Pipe cutter	1	306	1 50	459 00	10
Pipe fitters	6	305	2 18	664 90	10
Plater	1	304	3 00	912 00	10
Plumbers	4	324	2 62	848 88	10
Polisher	1	302	3 74	1,129 48	10
Pressmen	6	300	2 25	675 00	10
Roll turners	3	286	3 60	1,029 60	9
Roll turners' helper	1	286	1 44	411 84	9
Structural iron workers	18	306	2 40	734 40	9
Teamsters	5	305	1 93	588 65	10
Tinners	30	302	2 49	751 98	10
Tool makers	4	307	2 75	844 25	10
Watchmen	16	301	1 64	493 64	10
Wood workers	85	296	2 02	597 92	10
MALT—3 ESTABLISHMENTS.					
Engineers	2	289	2 10	606 90	9
Foremen	3	289	2 83	817 87	9
Laborers	4	347	1 75	607 25	10
Maltsters	49	327	1 90	621 30	9.5
Watchmen	3	289	2 00	578 00	10
MARBLE AND GRANITE—19 ESTABLISHMENTS.					
Apprentices	2	292	87	254 04	9
Blacksmith	1	292	2 25	657 00	9
Buhr man	1	308	1 90	585 20	10
Cutters	67	291	2 26	657 66	8.5
Engineer	1	308	2 00	616 00	10
Feeder	1	308	1 50	462 00	10
Foremen	2	308	2 16	665 28	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

MARBLE AND GRANITE—13 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings. 1903.	Average hours of daily labor.
Helpers	2	300	$1 25	$375 00	10
Laborers	40	295	1 54	454 30	9.2
Letterers	5	267	2 62	669 54	9.2
Packer	1	308	1 50	457 50	10
Polishers	5	297	1 94	576 18	9.4
Teamsters	6	280	3 00	840 00	10
Tool sharpener	1	300	1 50	450 00	9
MARBLES—2 ESTABLISHMENTS.					
Engineer	1	249	2 00	498 00	10
Laborers	20	287	1 12	321 44	9.5
MATTRESSES AND PILLOWS—9 ESTABLISHMENTS.					
Carpenters	2	310	1 75	542 50	10
Engineer	1	305	1 50	457 50	10
Feather department hands	8	310	1 25	387 50	10
Felting department hands	10	310	1 75	542 50	10
Fillers	25	301	1 29	388 29	10
Foreman	1	260	2 33	605 80	9
Laborers	4	260	1 00	260 00	9
Laborer (boy)	1	300	85	255 00	9
Mattress makers	43	296	1 85	547 60	9
Packers	2	310	1 25	387 50	10
Picker	1	307	1 25	383 75	9
Spring makers	12	310	1 50	465 00	10
Stitchers	3	260	1 70	442 00	9
Teamsters	3	310	1 50	465 00	10
Wire workers	14	310	1 00	310 00	10
OIL CLOTH AND WINDOW SHADE CLOTH—2 ESTABLISHMENTS.					
Boilers	3	272	2 50	680 00	10
Boilers' assistant	1	295	1 50	442 50	10
Calender men	8	273	1 79	488 67	10
Coaters	15	276	2 16	596 16	10
Coaters' helpers	6	295	1 60	472 00	10
Color mixers	11	276	1 81	499 56	10
Engineers	3	283	2 66	752 78	10
Firemen	4	278	2 05	569 90	10
Foremen	2	295	2 42	713 90	10
Hangers	4	261	1 42	370 62	10
Laborers	13	274	1 37	375 38	10
Machinists	2	261	2 25	587 25	10
Packers	2	261	1 75	456 75	10
Printers	5	274	2 59	709 66	10
Printers' helpers	3	295	1 65	486 75	10
Rollers-out	4	295	1 60	472 00	10
Rubbers	12	283	1 55	438 65	10
Shippers	3	283	2 58	730 14	10
Trimmers	24	272	1 03	280 16	10
Watchmen	5	281	1 78	500 18	12
OIL AND GREASE—6 ESTABLISHMENTS.					
Acid workers	8	313	2 41	754 33	10.5
Blacksmith	1	360	2 50	900 00	9
Boiler hands	3	300	2 00	600 00	12
Boiler makers	160	313	2 25	704 25	9
Brick masons	9	313	3 56	1,114 28	9
Brick masons' helpers	8	313	1 75	547 75	9
Carpenters	10	313	2 31	723 03	9
Coopers	6	306	1 93	590 58	9
Driller	1	300	3 50	1,050 00	10
Engineers	6	302	2 54	767 08	11

TABLE IVf—MANUFACTURES—CITIES—Continued.

OIL AND GREASE—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foremen	3	313	$3 33	$1,042 29	9
Laborers	176	312	1 50	468 00	9.5
Laborers (skilled)	89	313	2 33	729 29	10.5
Machinists	16	313	2 37	741 81	9
Paraffine workers	54	313	2 30	719 90	10.5
Pipe fitters	31	316	1 72	537 22	9
Press-room hands	6	330	1 75	577 50	9
Pumpers	2	270	1 75	472 50	9
Repairers	32	313	1 91	597 83	9
Stillmen	6	320	2 33	745 60	11
Tool dresser	1	300	1 50	450 00	10
Treaters	2	270	3 00	810 00	9
Warehouse men	6	330	2 25	742 50	9
PAINTS AND VARNISHES—12 ESTABLISHMENTS.					
Carpenter	1	255	2 50	637 50	10
Color tinter	1	255	2 60	663 00	10
Engineers	2	246	2 04	501 84	10
Foremen	4	267	4 41	1,177 47	8.7
Grinders	4	270	2 00	540 00	10
Helpers	5	306	2 00	612 00	8
Laborers	7	211	1 46	308 06	8.4
Laborers (boys)	2	255	53	135 15	10
Machine hands	9	307	1 75	537 25	10
Mechanics	4	306	2 75	841 50	10
Mixers	5	250	1 75	437 50	10
Packers	3	250	1 75	437 50	10
Painters	2	250	1 75	437 50	10
Shippers	3	288	2 49	717 12	8.6
Tinner	1	360	1 75	630 00	10
PATTERNS AND MODELS—7 ESTABLISHMENTS.					
Drillers	2	308	95	292 60	10
Engineer	1	270	2 75	742 50	9.5
Fireman	1	270	2 33	629 10	9.5
Laborers (boys)	3	308	1 00	308 00	10
Machinists	3	300	2 50	750 00	10
Pattern makers	43	287	2 13	611 31	9.4
PIANOS AND OTHER MUSICAL INSTRUMENTS—7 ESTABLISHMENTS.					
Action makers	12	303	2 47	748 41	10
Back maker	1	306	1 50	459 00	10
Bellows makers	4	306	1 75	535 50	10
Cabinet makers	38	302	2 08	628 16	10
Carvers	5	302	2 00	604 00	10
Case makers	14	306	2 01	615 06	10
Chest makers	4	306	1 85	566 10	10
Engineers	5	303	2 05	621 15	10
Finishers	54	303	1 97	596 91	10
Foremen	8	302	3 75	1,132 50	10
Gluers	3	297	2 16	641 52	8.5
Laborers	7	301	1 25	376 25	10
Machine hands	40	302	1 87	564 74	10
Organ builders	5	305	2 60	793 00	10
Pipe makers	6	302	1 65	498 30	10
Polishers	9	303	2 09	633 27	10
Regulators	12	302	3 33	1,005 66	10
Rubbers	15	304	1 62	492 48	10
Stainers	2	307	87	267 09	10
Stringers	4	304	1 37	416 48	10
Teamsters	2	300	2 05	615 00	10
Trimmers	3	293	2 25	659 25	10
Tuners	12	302	3 01	909 02	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

PIANOS AND OTHER MUSICAL INSTRUMENTS—7 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Varnishers	12	302	$2 00	$604 00	10
Veneer men	9	302	1 90	573 80	10
Watchmen	4	305	1 31	399 55	10
Yard men	5	302	1 50	453 00	10
PICKLES, PRESERVES AND SAUCES—5 ESTABLISHMENTS.					
Engineers	2	180	1 50	270 00	10
Foremen	3	266	1 74	462 84	10
Laborers	21	77	1 47	113 19	10
Pulp maker	1	300	1 50	450 00	10
Shipper	1	300	1 50	450 00	10
Teamster	1	300	1 50	450 00	10
Watchmen	2	180	1 57	282 60	12
PLATING—6 ESTABLISHMENTS.					
Buffers	3	293	2 00	856 00	10
Foremen	2	300	2 37	474 00	9.8
Grinder	1	300	1 00	300 00	9.5
Laborers	3	300	1 50	450 00	10
Machinists	8	300	2 50	750 00	10
Platers	8	297	2 12	629 64	10
Polishers	8	298	2 44	727 12	7.6
PLUMBING, STEAM AND GAS FITTING SUPPLIES—11 ESTABLISHMENTS					
Assemblers	2	302	1 75	528 50	10
Blacksmiths	4	294	2 48	729 12	9.5
Cabinet makers	3	302	2 00	604 00	10
Carpenters	2	282	2 25	634 50	10
Core makers	36	264	2 51	662 64	9.6
Cupola tenders	3	302	2 00	604 00	9
Electricians	2	310	1 75	542 50	8
Enamelers	5	310	7 00	2,170 00	8
Enamelers' helpers	5	302	4 50	1,359 00	8
Engineers	2	291	2 62	762 42	10
Filers	8	119	1 60	190 40	9
Finishers	7	293	2 14	627 02	10
Firemen	2	302	2 00	604 00	10
Foremen	4	285	3 75	1,068 75	10
Gas fitters	2	303	2 82	854 46	9.5
Helpers	22	148	1 78	263 44	9.2
Laborers	240	251	1 57	394 07	9.6
Machinists	43	254	2 33	591 82	9.5
Millwright	1	302	2 00	604 00	10
Molders	116	261	3 21	837 81	9.3
Molders' helpers	10	302	2 00	604 00	9
Painters	2	302	2 00	604 00	10
Pattern grinders	6	302	2 00	604 00	10
Pattern makers	12	291	2 83	823 53	9.5
Pipe fitters	10	260	2 85	741 00	9.3
Plater	1	302	2 00	604 00	10
Plumbers	6	307	2 93	899 51	9.3
Repair men	8	302	2 25	679 50	10
Sawyers	3	302	2 25	679 50	10
Solderers	3	302	2 33	703 66	10
Steam fitters	3	307	2 93	899 51	9.6
Teamster	1	302	1 67	504 34	10
Testers	4	119	2 00	238 00	9
Tool makers	4	159	2 25	357 75	9.2
Watchman	1	302	2 00	604 00	12

TABLE IVf—MANUFACTURES—CITIES—Continued.

POTTERY AND STONEWARE—54 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Art department hands	61	309	$2 68	$828 12	9
Ball makers	2	265	1 40	371 00	9
Batters-out	16	279	1 54	429 66	9
Bisque department hands	18	238	3 24	771 12	8.5
Blacksmiths	2	300	2 10	630 00	9
Cask makers	2	260	3 00	780 00	8
Casters	5	284	1 30	369 20	10
Clay washers	26	286	1 59	457 74	9.9
Clay workers	1,000	256	2 66	680 96	8.7
Clay workers' helpers	70	300	1 60	480 00	9
Cleaners	4	294	1 80	529 20	10
Coopers	4	290	2 25	652 50	8
Decorators	283	250	2 82	705 00	9
Decorators' apprentices	8	303	1 43	433 29	8
Designer	1	330	3 00	990 00	8.5
Dippers	65	379	3 35	934 65	11
Dippers' helpers	4	290	1 35	391 50	8.2
Dish makers	24	284	2 65	752 60	9
Dish makers' helpers	16	297	1 29	383 13	9
Drawers	219	293	1 86	544 98	7.9
Engineers	45	282	2 30	648 60	9.5
Finishers	47	300	1 57	471 00	9.8
Firemen	36	289	2 39	690 71	9.4
Foremen	15	308	2 58	794 64	9.5
Gilders	22	292	2 59	756 28	8.8
Glazer	1	312	1 50	468 00	9
Glost department hands	19	236	2 93	691 48	8.7
Grinders	2	299	1 62	484 38	10
Ground layer	1	300	2 25	675 00	9
Handlers	35	306	2 40	734 40	9.3
Handlers' helpers	29	297	1 21	359 37	9
Headers	1	194	2 25	436 50	9.5
Helpers	77	293	1 48	433 64	10
Inspectors	7	306	1 60	489 60	9
Jiggermen	118	295	3 13	923 35	8.9
Jiggermen's helpers	137	300	1 30	390 00	8.9
Jollymen	101	273	2 55	696 15	8.5
Jolly boys	6	260	1 75	455 00	8
Kiln men	807	276	2 36	652 36	10
Kiln placers	42	277	3 76	1,041 52	8.7
Knob makers	2	205	1 70	348 50	9
Laborers	697	297	1 50	445 50	9.6
Laborers (boys)	81	289	99	286 11	9
Loaders	10	294	1 65	467 10	10
Machine hands	3	205	1 00	205 00	10
Machinists	17	301	2 95	887 95	9.1
Mixers	2	300	1 75	525 00	10
Modelers	4	300	4 25	1,275 00	10
Mold makers	59	286	2 60	743 60	8.9
Mold runners	74	293	1 55	454 15	8.2
Packers	158	286	2 06	599 16	9.4
Packers' helpers	20	300	1 10	330 00	8.6
Potters	46	259	3 12	808 08	9.1
Pressers	237	293	2 80	820 40	8.7
Printers	5	289	3 10	905 90	9
Puggers	2	300	1 45	435 00	10
Repair men	2	300	2 25	675 00	9
Roll makers	3	194	1 25	242 50	9.5
Sagger makers	83	279	2 45	683 55	8.8
Saggermakers' helpers	8	300	1 75	525 00	8
Selectors	30	300	1 75	525 00	10
Shippers	3	296	1 80	532 80	10
Slip makers	131	281	1 84	517 04	9.4
Spongers	3	293	1 50	439 50	9
Stickers-up	22	297	2 25	668 25	9
Stock keepers	3	322	1 38	444 36	9.6
Teamsters	17	296	1 76	520 96	9

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

POTTERY AND STONEWARE—54 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Tossers	2	260	$1 75	$ 455 00	9
Trimmer	1	302	1 35	407 70	10
Tube makers	2	205	1 60	328 00	9
Turners	45	281	2 53	710 93	8.6
Turners' helpers	6	300	1 50	450 00	9
Ware carrier	1	275	1 00	275 00	9
Warehouse men	130	277	1 90	526 30	9
Ware makers	15	300	4 00	1,200 00	9
Watchmen	16	277	1 67	462 59	10.4
POTTERS' SUPPLIES—7 ESTABLISHMENTS.					
Apprentices	1	336	1 25	420 00	10
Chargers	4	270	1 75	472 50	11
Chaser men	3	270	1 75	472 50	10
Cylinder men	11	268	2 09	560 12	12
Engineers	6	268	2 53	723 58	12
Helpers	2	285	1 00	285 00	9.5
Kiln placers	12	297	1 83	543 51	9
Laborers	41	245	1 64	401 80	10
Machinists	3	336	2 00	672 00	10
Millwright	1	270	3 00	810 00	10
Millwright's helper	1	270	2 00	540 00	10
Pin makers	12	297	1 58	464 26	8.3
Saggermakers	13	286	3 76	1,075 36	8
Saggermakers helpers	3	240	1 50	360 00	8
Slip makers	2	285	1 85	527 25	10
Teamster	1	270	2 00	540 00	10
Watchman	1	316	1 00	316 00	10
PRINTING AND BINDING—246 ESTABLISHMENTS.					
Advertisers	16	343	2 34	802 52	9.3
Apprentices	87	309	78	241 02	9.9
Artists	16	346	4 00	1,384 00	8
Binders	254	314	2 03	637 42	9.2
Carriers (boys)	158	313	22	68 86	....
Cartoonist	1	313	1 17	366 21	9
Circulators	2	337	2 25	758 25	8.5
Collectors	15	311	1 82	566 02	8.8
Compositors	782	307	2 17	666 19	9.1
Cutters	8	224	1 28	286 72	9.6
Editors	64	302	3 04	918 08	8.1
Electrotypers	35	308	2 58	794 64	9.1
Engineers	9	312	2 28	711 36	9.8
Engravers	18	307	2 59	795 13	9.2
Errand boys	10	320	69	220 80	9.1
Finishers	2	307	2 83	868 81	9
Fireman	1	308	2 50	770 00	9
Folders	7	295	68	200 60	9
Foremen	100	305	2 42	738 10	9
Foreman's assistant	1	313	83	259 79	8
Forwarder	1	300	3 00	900 00	9
Galley boys	5	332	1 10	365 20	8.6
Helpers	22	299	98	293 02	8.8
Janitors	5	308	1 35	415 80	9.6
Job-room hands	5	309	1 80	556 20	8.4
Laborers	81	312	1 47	458 64	9.1
Linotype operators	110	313	1 92	600 96	8.6
Lithographers	3	300	2 00	600 00	9.5
Machinists	11	305	2 55	777 75	9.2
Mailers	18	311	1 35	419 85	9
Office boys	3	302	65	196 30	9.3
Packer	1	303	1 00	303 00	9.3
Porters	8	306	1 56	477 36	9
Press feeders	219	310	1 45	449 50	9
Pressmen	274	362	2 30	832 60	9

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

PRINTING AND BINDING—246 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pressmen (boys)	3	308	$ 66	$ 203 28	8.5
Proof-readers	7	306	2 21	676 26	9
Reporters	138	307	1 96	601 72	9
Rulers	4	305	2 87	875 35	9
Shipping clerks	41	314	1 52	477 28	9.1
Solicitors	20	311	2 39	743 29	9.3
Stereotypers	9	247	2 32	573 04	9
Stereotypers' helpers	2	310	1 75	542 50	8
Stock cutters	3	302	2 33	703 66	9.1
Teamster	1	307	1 50	460 50	10
Telegraph operators	2	338	3 06	1,024 28	8.7
Transferers	5	317	3 96	1,255 32	8
Watchmen	4	312	1 81	564 72	10
PUMPS AND WATER WHEELS—10 ESTABLISHMENTS.					
Blacksmiths	10	292	2 19	639 48	12
Carpenters	6	277	2 25	623 25	10
Core makers	10	291	2 10	611 10	10
Electrician	1	291	1 65	480 15	10
Engineers	3	294	2 13	626 22	10
Finishers	8	291	2 12	616 92	10
Fireman	1	291	1 60	465 60	10
Foundry hands	23	310	2 25	697 50	9
Laborers	95	263	1 52	399 76	10
Machine hands	101	291	1 40	407 40	10
Machinists	236	290	2 04	591 60	9.8
Molders	134	270	2 76	745 20	10
Mounters	10	291	1 90	552 90	10
Painters	7	291	1 66	483 06	10
Pattern makers	7	277	2 85	789 45	9.5
Pump makers	3	300	2 00	600 00	9.6
Repairer	1	200	1 25	250 00	10
Shipping clerks	3	291	1 72	500 52	10
Tool grinder	1	291	2 00	582 00	10
Trimmers	2	291	1 75	509 25	10
Watchman	1	291	2 00	582 00	10
ROOFING (IRON, STEEL AND TIN)—13 ESTABLISHMENTS.					
Apprentices	3	287	1 00	287 00	8.3
Blacksmith	1	304	2 50	760 25	10
Carpenters	3	304	1 75	532 00	10
Ceiling department hands	25	304	1 75	532 00	10
Cornice makers	18	304	2 25	684 00	10
Draughtsmen	3	304	3 00	912 00	10
Foremen	7	290	2 42	701 80	9.7
Laborers	39	295	1 63	480 85	9.7
Machinists	7	300	2 12	636 00	10
Roofers	8	306	1 57	480 42	10
Shipper	1	304	1 75	532 00	10
Slaters	20	298	2 36	703 28	9.7
Teamsters	3	292	2 25	657 00	10
Tinners	39	302	2 39	721 78	9.6
Watchmen	2	308	1 39	428 12	10
RUBBER GOODS—15 ESTABLISHMENTS.					
Blacksmiths	3	276	3 00	828 00	10
Carpenters	53	301	2 12	638 12	10
Curers	57	271	1 72	466 12	10
Dippers	4	285	1 69	481 65	10
Drill hands	135	276	2 25	621 00	10
Engineers	37	284	2 57	729 88	10
Factory clerks	4	275	2 25	618 75	10
Finisher	1	285	1 10	313 50	10
Firemen	36	297	2 07	614 79	11

TABLE IVf—MANUFACTURES—CITIES—Continued.

RUBBER GOODS—15 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foremen	20	279	$3 35	$ 934 65	10
Grinders	8	280	2 75	770 00	10
Heater workers	14	307	1 90	583 30	11
Helpers	8	305	1 00	305 00	10
Hose hands	19	276	2 00	552 00	10
Laborers	1,753	301	1 79	538 79	10
Machine hands	9	217	1 40	303 80	10
Machinists	110	296	2 81	831 76	10
Mill hands	71	296	1 77	523 92	10
Packers	12	283	1 77	500 91	10
Pipe fitters	5	275	2 65	728 75	10
Plumbers	12	300	2 00	600 00	10
Power department hands	5	380	2 25	855 00	12
Press workers	49	295	1 75	516 25	10
Receivers	13	300	2 00	600 00	10
Repair men	20	304	1 44	437 76	10
Rubbers	6	280	2 90	812 00	10
Rubber workers	657	297	1 75	519 75	10
Shippers	11	280	1 95	546 00	10
Steam fitter	1	307	2 75	844 25	10.5
Tire inspectors	3	307	1 80	552 60	10.5
Tire makers	658	303	2 20	666 60	10
Turners	85	278	2 64	733 92	10
Vulcanizers	5	229	1 55	354 95	10
Watchmen	4	275	1 97	541 75	13
Weigher	1	307	2 25	690 75	10.5
Wood workers	2	380	2 00	760 00	10
SAFES, VAULTS AND LOCKS—4 ESTABLISHMENTS.					
Benders	4	286	1 25	357 50	10
Blacksmiths	66	305	2 15	655 75	9.9
Bolt workers	32	307	2 40	736 80	10
Box makers	76	301	2 05	617 05	9.9
Burglar-proof department hands	166	307	2 11	647 77	10
Cabinet makers	42	307	2 30	706 10	10
Carpenters	25	300	1 75	525 00	10
Cleaners	2	286	1 25	357 50	10
Cupola men	2	286	1 75	500 50	10
Door makers	99	301	1 95	586 95	10
Drill-press hands	8	306	78	238 68	9.5
Engineers	3	299	3 02	902 98	9.9
Erectors	2	306	2 08	636 48	9.5
Firemen	2	307	2 00	614 00	10
Fire-proof department hands	143	307	2 14	656 98	10
Fitters	2	306	1 83	559 98	9.5
Foremen	5	306	2 87	878 22	9.5
Foundry men	12	307	2 10	644 70	10
Grinders	3	286	1 25	357 50	10
Hinge makers	5	300	1 75	525 00	10
Jail department hands	30	307	2 00	614 00	10
Laborers	88	304	1 59	483 36	9.9
Lathe hands	20	300	2 00	600 00	10
Lock setters	63	299	1 97	589 03	10
Locksmiths	71	307	1 37	420 59	10
Machine hands	4	306	2 23	682 38	9.5
Machinists	57	305	2 13	649 65	10
Millwrights	2	307	2 40	736 80	10.3
Molders	20	286	2 50	715 00	10
Oilers	2	307	1 90	583 30	10.5
Packers	2	286	1 25	357 50	10
Painters	141	305	2 02	616 10	10
Pattern filers	2	307	2 06	632 42	10
Planer hands	39	301	1 89	568 69	9.8
Platers	7	301	1 78	535 78	10
Polishers	30	307	2 27	696 89	10
Rubbers	2	286	1 35	386 10	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

SAFES, VAULTS AND LOCKS—4 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Safe fillers	9	302	$2 53	$ 764 06	10
Safe makers	5	306	1 77	541 62	9.5
Shippers	3	307	2 66	816 62	10
Straighteners	3	299	1 97	589 03	9.6
Stripers	3	286	2 25	643 50	10
Supply men	3	307	2 05	629 35	10.3
Tool dressers	3	307	2 31	709 17	10.3
Tool makers	41	307	2 41	739 87	10
Vault constructors	58	303	1 88	569 64	10
Watchmen	2	306	1 91	584 46	10.7
SASH, DOORS, LUMBER AND INTERIOR FINISH—134 ESTABLISHMENTS.					
Apprentice	1	300	75	225 00	9
Blacksmiths	2	303	1 83	554 49	10
Bricklayer	1	305	4 50	1,378 00	9
Cabinet makers	45	292	2 17	633 64	9.9
Carpenters	637	272	2 36	641 92	8.9
Carriers	2	212	1 50	318 00	10
Carver	1	286	1 50	429 00	9
Choppers	3	228	2 10	478 80	10
Chuckers	10	275	1 00	275 00	10
Crate makers	8	140	1 25	175 00	10
Cutters	18	278	1 63	453 14	9.9
Enamelers	12	275	1 50	412 50	10
Engineers	73	279	1 96	547 84	9.9
Filers	2	258	3 75	967 50	10
Finishers	36	265	1 80	477 00	9.8
Floor layers	2	304	1 75	532 00	10
Firemen	11	269	1 54	414 26	10
Foremen	48	273	2 52	687 96	9.7
Glaziers	3	303	1 91	578 73	9.6
Gluers	28	304	1 35	410 40	10
Grader	1	290	2 50	725 00	10
Helpers	100	290	1 14	330 60	10
Hostlers	5	292	1 70	496 40	10
Inspectors	12	279	2 18	608 22	10
Laborers	532	271	1 51	258 21	9.6
Laborers (boys	10	288	1 03	296 64	9.1
Lumber carriers	3	285	1 65	471 25	9
Lumber pilers	5	304	1 54	468 16	10
Machine hands	464	281	1 81	508 61	9.5
Machinists	10	304	1 75	532 00	10
Masons	5	307	3 64	1,117 48	9
Mechanic	1	308	2 00	616 00	9
Mill hands	310	266	1 99	529 34	9.5
Nailer	1	309	1 35	417 15	9
Off bearer	1	300	1 75	525 00	10
Packers	4	310	1 46	452 60	10
Painters	19	304	1 92	583 68	9.5
Piece workers	8	204	1 50	306 00	10
Planers	2	312	1 90	592 80	9.5
Plumber	1	309	4 50	1,390 50	10
Plumber's helper	1	309	1 80	556 20	10
Sanders	6	335	1 35	552 25	10
Sawyers	36	275	2 12	583 00	9.5
Setters	5	280	1 85	518 00	9.6
Shippers	4	285	1 77	477 45	9.7
Teamsters	249	294	1 60	470 40	9.5
Teamsters (with team)	7	238	3 50	933 00	10
Timber buyers	3	286	2 25	643 50	10
Turners	33	276	1 95	538 20	9.8
Watchmen	18	271	1 40	379 40	10.8
Wirers	2	300	1 25	375 00	10
Wood workers	95	294	1 97	579 18	9.9
Yard hands	186	275	1 52	418 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

SLAUGHTERING AND MEAT PACKING—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Butchers	28	319	$2 10	$ 669 90	10
Drivers	3	313	1 83	572 79	10
Engineers	2	365	2 25	821 25	12
Fireman	1	313	1 90	594 70	10
Foreman	1	365	2 25	821 25	10
Helpers	2	313	1 63	510 19	10
Laborers	3	310	1 50	465 00	10
Lard man	1	313	1 90	594 70	10
Packers	15	302	1 80	543 60	10
Pickle man	1	313	1 90	594 70	10
Salter	1	365	2 25	821 25	10
Sausage makers	6	321	2 00	642 00	10
SOAP, CANDLES AND TALLOW—9 ESTABLISHMENTS.					
Cutters	2	300	2 00	600 00	9.5
Engineers	2	270	1 83	494 10	9.7
Laborers	20	270	1 75	472 50	10
Laborers (boys)	4	300	1 00	300 00	10
Presser	1	300	1 90	570 00	9.5
Soap boilers	7	286	2 36	674 96	9.8
Tank men	4	300	2 25	675 00	10
Teamsters	4	300	2 25	675 00	10
SODA AND MINERAL WATERS—47 ESTABLISHMENTS.					
Bottlers	41	305	1 79	545 95	9.2
Bottle washers	36	289	1 34	388 26	9.4
Drivers	46	311	1 97	612 67	9.6
Foreman	1	312	2 50	780 00	9
Helpers	3	302	1 16	350 32	9
Hostler	1	365	2 00	730 00	10
Laborers	35	220	1 08	237 60	9.5
Laborer (boy)	1	350	40	140 00	8
Pop maker	1	300	1 00	300 00	10
Watchman	1	313	1 83	572 79	12
STEEL, IRON AND TIN—59 ESTABLISHMENTS.					
Annealers	102	248	1 89	468 72	10
Annealers' helpers	4	100	1 50	150 00	10
Apprentices	20	303	1 20	362 40	10
Assorters	23	229	2 20	503 80	10
Ash men	6	283	1 66	469 78	11
Bar mill men	145	238	2 18	518 84	10
Barrow men	16	267	1 95	520 65	12
Bar shear man	1	295	5 00	1,475 00	10
Blacksmiths	229	275	2 54	698 50	10
Blacksmiths' helpers	24	207	1 70	351 90	10
Blooming department hands	78	253	3 14	794 42	12
Blowers	4	266	3 75	997 50	12
Boiler-house men	136	273	4 50	1,128 50	10
Boiler makers	92	296	2 24	663 04	10
Dippers	48	279	3 43	956 97	10
Dock hands	141	303	4 67	1,415 01	11
Doublers	270	252	5 39	1,358 28	8
Drag-outs	2	298	3 00	894 00	10
Draughtsmen	8	276	3 16	872 16	9.6
Drawers	2	308	2 00	616 00	10
Electricians	204	290	2 30	667 00	11
Engineers	260	255	2 47	629 85	11.1
Fillers	246	272	1 76	478 72	11.9
Fillers' helpers	46	288	2 14	616 32	12
Finishers	1,340	289	1 99	575 11	10
Firemen	203	251	1 96	490 00	11.1
Flyer	1	308	1 75	539 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

STEEL, IRON AND TIN—59 ESTABLISHMENTS—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foremen	119	269	$2 82	$758 58	10
Foundry hands	4	272	3 50	952 00	12
Furnace men	1,058	257	2 01	516 57	10
Galvanizers	30	292	2 10	613 20	12
Gas producers	131	269	2 11	567 59	12
Gin hands	6	125	1 20	150 00	10
Greasers	10	281	1 93	542 33	11
Guide setters	4	278	2 81	781 18	12
Hammer men	22	101	3 81	384 81	8.1
Heaters	547	251	6 65	1,669 15	8.7
Heaters' helpers	179	253	3 09	781 77	10
Helpers	108	285	2 49	709 65	8.9
Helpers (boys)	17	278	1 14	316 92	12
Hoist men	5	278	2 46	683 88	9.6
Hookers	9	300	4 46	1,338 00	10
Hook-ups	14	218	2 45	534 10	11
Hot mill men	20	273	2 22	606 06	11
Ingot and billet handlers	16	121	1 40	169 40	10
Inspectors	32	296	1 97	583 12	10
Iron breakers	14	325	3 00	975 00	10
Iron carriers	151	286	2 32	663 52	10
Iron tappers	12	278	4 40	1,223 20	8
Iron workers	1,652	293	2 09	612 37	10
Keepers	26	241	2 35	566 35	11.5
Keepers' helpers	48	263	2 08	547 04	12
Laboratory hands	2	255	1 88	479 40	10
Laborers	7,342	259	1 56	404 04	10
Ladlemen	28	261	2 20	574 20	12
Leaders	4	233	2 25	524 25	8
Loaders	213	293	1 95	571 35	9.8
Machinists	868	262	2 03	531 86	10
Machinists' apprentices	6	281	1 25	351 25	10
Machinists' helpers	13	199	1 95	388 05	10
Manipulators	2	278	3 60	1,000 80	12
Master mechanics	4	194	3 67	711 98	11
Matchers	81	266	2 13	566 58	8
Mechanical department hands	252	261	2 47	644 67	10
Melters	7	244	4 67	1,139 48	10
Millwrights	87	276	2 48	684 48	10
Millwrights' assistants	2	292	1 75	511 00	10
Miners	263	259	2 24	580 16	8
Molders	139	290	2 96	858 40	9.4
Oilers	23	249	2 22	552 78	11
Open hearth department hands	15	200	2 50	500 00	10
Openers	66	249	1 94	483 06	9
Ore men	12	317	2 03	643 51	12
Packers	9	294	1 50	441 00	10
Painters	6	296	2 65	784 40	10
Pair heaters	81	276	2 52	695 52	8
Pan men	2	278	1 85	514 30	12
Pattern makers	27	290	2 70	783 00	10
Picklers	122	242	1 90	459 80	10
Picklers' helpers	4	100	1 50	150 00	10
Pipe cutters	81	239	1 76	420 64	10
Pipe fitters	109	292	2 22	648 24	10
Pipe men	103	281	1 60	449 60	10
Pit men	26	157	1 57	246 49	12
Pourers	11	285	3 89	1,108 65	8.7
Puddlers	525	231	5 30	1,224 30	9.8
Puddlers' helpers	581	216	2 65	572 40	9.5
Pump men	8	278	1 96	544 88	12
Quarry men	4	300	1 25	375 00	10
Railway employes	40	288	2 38	685 44	10
Rammers	20	281	1 75	491 75	10
Recorders	6	278	1 88	520 64	12
Regulators	4	278	3 60	1,000 80	12

TABLE IVf—MANUFACTURES—CITIES—Continued.

STEEL, IRON AND TIN—59 ESTABLISHMENTS—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Riggers	50	289	$2 16	$ 624 24	10
Risers	141	237	1 96	464 52	8.5
Rollers	537	252	11 00	2,772 00	8.8
Rollers' helpers	56	205	3 34	684 70	10
Roll hands	344	255	2 71	691 05	10
Roll train hands	50	303	6 03	1,827 09	12
Roll turners	139	277	2 99	828 23	10
Roll turners' helper	1	53	75	39 75	10
Roofing works hands	10	230	1 75	402 50	10
Rope makers	5	281	2 00	562 00	10
Roughers	222	260	4 13	1,073 80	9.1
Run-downs	14	280	3 50	980 00	10
Safety department hands	23	296	1 94	574 24	12
Sailors	2	278	2 00	556 00	12
Sand cutters	4	281	2 50	702 50	10
Scalemen	4	278	1 90	528 20	12
Scrap boys	8	293	1 32	386 76	10
Scrap men	14	273	1 95	532 35	10
Scrappers	25	230	6 14	1,412 20	9.8
Scrappers' helpers	42	230	3 08	708 40	9.4
Screeners	10	278	1 72	488 16	10
Screw boys	165	240	2 21	530 40	8
Setters	3	278	5 00	1,390 00	8
Shear men	453	271	3 19	864 49	9.8
Shearmen's helpers	198	242	1 98	479 16	9.9
Sheet mill men	1,216	210	2 74	575 40	8.8
Shippers	11	276	2 04	563 04	10
Skipmen	2	267	2 10	560 70	12
Skull breakers	4	278	1 74	483 72	12
Socket heaters	26	139	2 20	305 80	10
Socket tappers	76	298	1 75	521 50	10
Stackers	28	121	1 85	223 85	12
Steam fitters	2	281	2 25	632 25	10
Stockers	91	303	3 82	1,157 46	12
Stool men	2	278	1 74	483 72	12
Stone masons	17	268	2 44	653 92	9.6
Stopper maker	1	278	2 25	625 50	12
Store room hands	4	250	2 32	580 00	11
Stove tenders	19	305	2 03	619 15	12
Straighteners	199	290	3 12	904 80	10
Stranders	4	298	2 25	670 50	10
Strippers	4	278	2 22	617 16	12
Sweeper	1	278	1 74	483 72	12
Switch-board men	2	278	2 10	583 80	12
Table men	2	317	2 20	697 40	12
Tallymen	4	278	1 68	467 04	12
Teamsters	22	290	1 65	478 00	10
Testers	12	114	1 83	208 62	10
Time keepers	2	158	2 12	334 96	11
Tin men	26	231	1 98	457 38	8.6
Tool men	2	278	1 74	483 72	12
Top chargers	3	278	3 60	1,000 80	8
Transfer men	6	278	2 20	611 60	12
Turn men	52	344	2 20	756 80	12
Unloaders	72	306	2 22	679 32	10.1
Vessel men	3	278	5 65	1,570 70	8
Vessel men's helpers	3	278	5 00	1,390 00	8
Warehouse men	8	251	1 63	409 13	10
Washers	4	275	1 98	544 50	11
Watchmen	46	299	1 57	469 43	12
Water tenders	98	275	1 90	522 50	12
Weighers	18	281	1 98	556 38	11
Welders	180	299	1 99	595 01	10
Wheelers	33	278	3 39	942 42	8.1
Wipers	8	278	1 87	519 86	11.5
Wire nailers	13	253	2 60	657 80	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

STEEL, IRON AND TIN—59 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Wire nailers' helpers	85	253	$1 60	$404 80	10
Wire workers	25	253	2 65	670 45	10
Wrenchers	2	278	3 20	889 60	12
Yard men	143	303	2 23	675 69	10
STENCILS, STAMPS AND SEALS—2 ESTABLISHMENTS.					
Apprentice	1	313	85	266 05	10
Stamp maker	1	300	75	225 00	10
STONE (CUT, SAWED AND ARTIFICIAL)—7 ESTABLISHMENTS.					
Cement workers	4	250	3 00	750 00	9
Crushers	2	252	2 00	504 00	10
Driller	1	252	2 00	504 00	10
Engineers	9	265	1 90	503 50	10
Foremen	2	306	1 75	535 50	11
Hoisters	6	306	1 50	459 00	11
Laborers	114	258	1 57	405 06	9.7
Quarrymen	170	264	1 64	432 96	10
Sawyers	2	306	1 75	535 50	11
Shovelers	10	252	2 00	504 00	10
Teamsters	5	246	2 70	664 20	10
STOVES, RANGES AND FURNACES—40 ESTABLISHMENTS.					
Apprentices	16	244	89	217 16	9.4
Assemblers	7	285	2 25	641 25	9.7
Blacksmith	1	305	2 00	610 00	9
Body makers	6	206	2 16	444 96	10
Buffers	7	278	1 73	480 94	10
Carpenters	33	288	2 20	633 60	9.8
Cleaners	14	266	1 76	468 16	9.7
Closet maker	1	300	2 00	600 00	10
Core makers	14	278	1 74	483 72	10
Craters	14	261	1 50	391 50	10
Cupola tenders	18	256	1 96	501 76	9.7
Drillers	2	283	1 50	424 50	10
Engineers	27	261	2 07	540 27	10
Finishers	7	278	1 64	455 92	10
Fireman	1	290	1 65	478 50	10
Fitters	92	278	1 46	405 88	9.9
Flask carrier	1	280	1 75	490 00	10
Follow boarders	2	120	2 25	270 00	10
Foremen	20	278	2 88	800 64	9.9
Foundry men	21	258	1 55	399 90	10
Furnace men	27	287	1 81	519 47	9.8
Grinders	5	192	1 30	249 60	10
Helpers	26	299	1 63	487 37	10
Inspectors	3	280	2 50	700 00	9.5
Japanners	10	286	1 98	566 28	9.8
Laborers	566	275	1 47	404 25	9.9
Laborers (boys)	8	290	1 00	290 00	9
Machine hands	54	282	2 00	564 00	10
Machinists	64	277	2 37	656 49	9.7
Millwright	1	290	2 25	652 50	10
Molders	1,064	274	3 11	852 14	9.5
Molders' apprentices	39	278	1 38	383 64	8.5
Molders' helpers	10	280	1 75	490 00	10
Mounters	397	278	2 41	669 98	9.9
Mounters' apprentice	5	284	1 20	340 80	10
Packers	4	275	1 42	390 50	9.7
Painters	4	190	1 75	332 50	10
Pattern filers	9	205	2 66	545 30	10
Pattern makers	33	279	2 86	797 94	10
Platers	92	280	2 19	613 20	9.9

TABLE IVf—MANUFACTURES—CITIES—Continued.

STOVES, RANGES AND FURNACES—40 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Polishers	106	280	$2 26	$632 80	9.9
Porters	17	276	1 60	441 60	10
Pressmen	28	272	1 95	258 40	10
Punch man	1	300	1 50	450 00	10
Range makers	39	261	1 84	480 24	9.8
Receiving clerk	1	300	1 65	495 00	10
Riveter	1	300	2 00	600 00	10
Shear man	1	300	1 65	495 00	10
Sheet metal workers	10	309	2 40	741 60	9.8
Shipping clerks	7	278	1 77	492 00	9.7
Stake holder	1	300	1 50	450 00	10
Stock keepers	6	283	1 41	399 03	10
Teamsters	8	291	1 83	532 53	9.7
Tinners	119	279	2 20	613 80	10
Tool makers	5	290	2 75	797 50	10
Watchmen	8	278	1 51	419 78	11
STRAWBOARDS AND PAPER—25 ESTABLISHMENTS.					
Ash wheeler	1	233	1 40	326 20	12
Back tenders	49	258	1 43	368 94	11
Balers	3	308	1 44	443 52	10
Beater men	71	267	1 75	467 25	11
Beater men's helpers	60	258	1 49	384 42	11.9
Blacksmith	1	277	2 75	761 75	10
Bleach men	16	242	1 49	360 58	9.5
Boiler-room men	8	249	1 42	353 58	10
Box makers	2	311	1 41	438 51	10
Calender tenders	8	304	1 84	559 36	11.5
Calender tenders' helpers	2	280	1 60	448 00	10
Carpenters	6	307	1 68	515 76	10
Cellar men	3	310	1 05	325 50	10
Cinder men	2	230	1 50	345 00	12
Coal heavers	3	240	1 50	360 00	11.3
Coal wheelers	2	256	1 50	384 00	12
Cutters	32	243	1 43	347 49	10
Cutters (boys)	38	269	92	247 48	9.5
Dumpers	6	222	1 44	319 68	11
Dusters	2	308	1 45	446 60	10
Engineers	61	266	2 47	657 02	11.8
Engineers' helpers	20	295	1 53	451 35	12
Feeders	20	275	85	233 75	10
Finishers	71	245	1 74	426 30	10
Firemen	63	230	1 76	404 80	11.5
Firemen's helpers	38	299	1 76	526 24	12
Foremen	8	280	2 15	502 00	11
Helpers	99	306	1 22	373 32	10
Laborers	377	263	1 52	399 76	10
Laborers (boys)	10	160	85	136 00	11
Lay boys	6	306	1 17	358 02	12
Lime slackers	4	210	1 55	325 50	10
Loaders	3	200	1 50	300 00	10
Machine men	420	305	1 80	549 00	12
Machine tenders	80	251	2 66	667 66	12
Machine tenders' helpers	12	280	1 37	383 60	12
Machinists	17	230	2 07	476 10	10
Millwrights	67	295	2 35	693 25	10
Millwrights' helpers	3	279	1 66	463 14	9.3
Nailers	3	230	1 50	345 00	10
Oilers	3	277	1 50	415 50	12
Pipe fitters	3	277	2 00	554 00	10
Pluggers-up	4	277	1 40	387 80	12
Pressmen	6	275	2 00	550 00	10
Pulp grinders	7	281	1 34	376 54	11
Punchers	2	233	1 50	349 50	12
Rag handler	1	306	1 50	459 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

STRAWBOARDS AND PAPER—25 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Repair men	10	200	$1 76	$352 00	10
Roll boys	11	285	1 04	296 40	11
Roll tenders	4	280	1 10	308 00	12
Rotary men	47	235	1 51	354 85	11.3
Rotary men's helpers	10	271	1 50	406 50	10
Saw filer	1	307	1 75	537 25	10
Screen tenders (boys)	2	306	1 00	306 00	10
Sheet liner men	4	200	1 35	270 00	10
Shipping clerks	4	281	1 78	500 15	9.7
Shoveler	1	306	1 50	459 00	10
Sorters	4	277	1 45	401 65	10
Stock handlers	34	221	1 51	333 71	11
Straw buyer	1	233	3 33	775 89	10
Sulphite makers	24	277	1 70	480 90	12
Teamsters	52	222	1 75	388 50	10
Warehouse men	2	208	1 75	364 00	12
Washer men	2	306	1 67	511 02	12
Watchmen	7	274	1 60	438 40	11.5
Water tenders	2	277	2 20	609 40	12
Wax tenders	4	311	1 50	466 50	12
Yard men	20	218	1 82	396 76	10
SUCKER RODS—2 ESTABLISHMENTS.					
Helpers	2	300	1 75	525 00	9
Iron workers	8	300	2 25	675 00	9
Laborers	10	300	2 50	750 00	9
Machinist	1	300	2 50	750 00	9
Mechanics	14	302	1 68	507 36	10
Welders	2	300	2 50	750 00	9
TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—44 ESTABLISHMENTS.					
Apprentices	4	301	91	273 91	9.2
Beaders	3	308	1 50	462 00	10
Blacksmiths	7	292	2 05	598 60	10
Bundlers	2	292	1 67	487 64	10
Burners	58	294	2 00	588 00	9.6
Can makers	3	290	1 75	507 50	10
Carpenters	17	285	1 98	564 30	10
Cornice makers	22	294	2 25	661 50	10
Crate makers	2	300	2 50	750 00	10
Cutters	12	291	2 00	582 00	10
Dippers	14	308	1 50	462 00	12
Draughtsmen	7	293	2 85	835 05	9.7
Enamelers	45	296	1 80	532 80	10
Engineers	12	245	69	169 05	10
Finishers	2	300	1 90	570 00	10
Firemen	7	289	1 89	546 21	11.3
Foremen	38	273	2 82	769 86	10
Galvanizers	14	211	2 11	445 21	10
Helpers	55	300	1 30	390 00	9.8
Hoopers	1	300	2 50	750 00	10
Jacket makers	6	178	1 39	347 42	10
Jointers	4	300	2 00	600 00	10
Laborers	522	286	1 19	340 34	9.9
Laborers (boys)	20	292	99	289 08	10
Machine hands	119	289	1 60	462 40	9.9
Machinists	47	293	2 60	761 80	9.8
Metal workers	69	286	1 88	537 68	9.8
Modelers	9	291	2 30	669 30	10
Molders	3	291	1 90	552 90	10
Off-bearers	10	308	87	267 96	10
Packers	69	289	1 61	465 29	9.8
Painters	9	298	2 15	640 70	10
Patchers	7	291	90	261 90	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

TINWARE, SHEET-IRON AND GALVANIZED IRONWARE—44 ESTABLISHMENTS. Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pattern makers	1	300	$3 00	$900 00	10
Picklers	34	298	1 65	491 70	10
Pressmen	59	238	1 73	411 74	9.8
Riveters	28	298	1 56	464 88	10
Roll feeder	1	292	1 50	438 00	10
Sawyer	1	300	1 90	570 00	10
Sheet-iron workers	17	308	1 67	514 36	10
Shippers	9	233	1 83	426 39	10
Slaters	7	300	2 50	750 00	9.2
Solderers	44	284	2 30	653 20	10
Spinners	7	301	1 97	592 97	10
Stampers	42	295	1 75	516 25	10
Stock keeper	1	178	2 00	356 00	10
Teamsters	3	260	1 75	455 00	10
Testers	3	178	1 41	250 98	10
Tinners	73	286	2 16	617 76	9.7
Tinners' helper	1	300	1 00	300 00	9
Turners	2	300	3 25	975 00	10
Watchmen	4	264	1 50	396 00	12
Wood workers	11	291	2 00	582 00	10
TOBACCO (CHEWING AND SMOKING)—8 ESTABLISHMENTS.					
Bulk-room hands	22	306	1 39	425 34	10
Casers	12	309	1 49	460 41	10
Cutters	2	288	2 00	576 00	9
Dippers	64	305	1 30	396 50	9.9
Elevator hands	2	300	1 65	495 00	10
Engineers	3	299	2 16	645 84	9
Feeders	2	288	1 54	443 52	9
Firemen	3	306	2 04	624 24	10
Foremen	3	301	2 16	650 16	9.3
Laborers	186	297	1 44	427 68	10
Layers	8	310	1 25	387 50	10
Machine hands	48	306	1 64	501 84	10
Millers	11	300	2 00	600 00	12
Packers	43	302	1 36	410 72	10
Pressmen	51	305	1 31	399 55	9.8
Shakers	14	307	1 25	383 75	10
Shippers	22	305	1 42	433 10	9.9
Spinners	75	306	2 18	667 08	10
Spreaders	8	300	1 25	375 00	10
Stampers	16	306	1 07	327 42	10
Stemmers	188	286	92	263 12	9.4
Teamsters	2	306	2 87	883 96	10
Weigher	1	300	1 50	450 00	10
TOOLS—20 ESTABLISHMENTS.					
Apprentices	14	268	1 00	268 00	9.5
Blacksmiths	42	296	3 26	964 96	9.4
Blacksmiths' helpers	65	297	1 80	534 60	10
Carpenters	6	292	2 28	665 76	9.6
Core makers	38	286	2 17	620 62	9.9
Crane men	20	285	1 90	541 50	10
Die cutter	1	287	1 50	430 50	10
Draughtsmen	37	285	3 90	1,111 50	9
Drill men	7	253	1 32	333 96	10
Electricians	3	285	2 80	798 00	10
Engineers	12	289	2 10	606 90	9.9
File cutters	2	300	1 87	561 00	10
Firemen	8	289	1 76	508 64	10
Foremen	3	266	3 66	973 56	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

TOOLS—20 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foundry men	112	285	$1 80	$513 00	10
Grinders	16	296	2 64	781 44	8.5
Glass workers	3	264	2 00	528 00	9.5
Helpers	35	301	1 33	400 33	9.4
Hoe makers	12	300	2 25	675 00	9
Ironers	4	287	1 75	502 25	10
Laborers	87	263	1 53	402 39	9.9
Machine hands	84	292	1 71	509 32	10
Machinists	482	282	2 70	761 40	9.8
Machinists' helpers	2	300	2 00	600 00	10
Millwrights	9	285	2 50	712 50	10
Molders	65	279	3 33	929 07	10
Molders' helpers	59	285	1 60	456 00	10
Packers	12	297	1 47	436 59	10
Painters	21	285	1 78	507 30	10
Pattern makers	27	285	2 60	741 00	10
Plane makers	18	300	2 25	675 00	9
Platers	2	287	1 25	358 75	10
Polishers	9	295	1 91	563 45	8.6
Pressmen	2	287	1 50	430 50	10
Punch hand	1	240	1 50	360 00	10
Sanders	2	287	1 50	430 50	10
Saw makers	3	306	2 58	789 48	9
Tapper	1	240	1 25	300 00	10
Teamsters	4	299	1 64	484 38	9.7
Trimmers	3	287	1 50	430 50	10
Turners	2	300	1 87	561 00	9
Watchmen	4	285	2 10	598 50	10
Wood workers	16	257	2 21	567 97	10
UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.					
Frame makers	2	290	1 00	290 00	10
Operators	16	300	1 50	450 00	9.5
WIRE RODS, WIRE CLOTH AND WIRE GOODS—9 ESTABLISHMENTS.					
Annealers	10	283	1 89	532 87	11
Bird cage makers	6	300	1 75	525 00	10
Bundlers	12	283	1 82	513 06	11
Carpenters	5	300	2 00	600 00	10
Drawers	72	262	2 79	730 98	11
Electrician	1	283	2 50	707 50	12
Engineers	9	251	1 61	404 11	11
Fence department hands	10	250	1 00	250 00	7
Firemen	4	210	1 25	262 50	10
Foremen	5	246	3 06	752 76	10
Helpers	30	210	1 30	273 00	10
Iron workers	20	300	2 25	675 00	10
Laborers	54	231	1 30	300 30	9.9
Machinists	29	242	2 16	522 72	10
Nail mill workers	102	274	2 09	572 66	10
Packers' helpers	15	210	75	157 50	10
Platers	7	300	2 25	675 00	10
Punch makers	12	300	2 00	600 00	10
Riddle makers	4	300	1 75	525 00	10
Shop hands	20	283	1 70	481 10	11
Shippers	4	283	1 94	549 02	11
Shovel department hands	15	250	1 15	287 50	7
Sifters	15	300	1 15	345 00	10
Twister	1	319	2 25	717 75	9
Warehouse men	5	210	1 28	278 80	10
Watchman	1	300	1 90	570 00	10
Weavers	9	305	2 27	692 35	8.8
Wire mill workers	62	296	2 48	734 08	10
Yard hands	8	283	1 76	498 08	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

MISCELLANEOUS—74 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	3	300	$1 25	$ 375 00	10
Assemblers	23	201	1 38	277 38	9.8
Bench hands	15	303	1 80	545 40	10
Blacksmiths	2	180	2 00	360 00	9
Box makes	81	308	1 02	314 16	10
Bread board makers	4	300	2 00	600 00	10
Brush maker	1	303	1 10	333 30	10
Bronzer	1	308	2 00	616 00	10
Buffers	7	261	1 89	493 29	10
Bushelman	1	306	2 00	612 00	10
Cabinet makers	2	300	2 00	600 00	10
Carpenters	46	261	2 49	649 89	9.9
Case maker	1	228	2 00	456 00	10
Casket trimmers	4	306	2 00	612 00	10
Chemists	4	60	2 50	150 00	10
Coopers	3	220	1 66	365 20	10
Core maker	1	300	1 50	450 00	10
Crayon molders	13	308	1 53	471 24	8
Culler	1	230	1 75	402 50	10
Cutters	2	180	2 37	426 60	9.9
Die maker	1	293	3 50	1,025 50	10
Draughtsman	1	304	2 33	708 32	10
Draymen	2	282	1 33	375 06	10
Drill hands	6	305	1 08	329 40	9.6
Dry-room hand	1	289	1 50	433 50	10
Electricians	4	310	2 50	775 00	10
Engineers	19	227	2 24	508 48	10.6
Erectors	6	216	1 90	410 40	10
Filers	4	278	1 60	444 80	10
Fillers	4	300	1 50	450 00	10
Finishers	35	288	1 71	492 48	10
Firemen	2	297	1 90	564 30	10
Foremen	2	264	1 87	493 68	10
Galvanizers	5	200	1 50	300 00	10
Gilders	2	308	2 00	616 00	10
Grill makers	3	300	1 33	399 00	10
Grinders	3	300	1 75	525 00	10
Heater	1	103	2 00	206 00	10
Helpers	27	281	1 15	323 15	10
Inspectors	5	268	1 50	402 00	10
Janitor	1	159	1 50	238 50	10
Jiggerman	1	214	1 75	374 50	8
Joiner	1	308	1 50	462 00	10
Laborers	411	226	1 54	348 04	10
Laborers (boys)	11	299	80	239 20	10
Machine hands	50	262	1 60	419 20	10
Machinists	74	290	2 37	687 30	9.9
Masons	7	300	4 57	1,371 00	9
Mechanics	9	273	2 67	728 91	10
Metal workers	160	307	1 94	595 58	10
Mill men	14	302	1 75	528 50	10
Mixer	1	302	1 83	552 66	9
Molders	2	300	1 50	450 00	10
Nailers	3	282	1 50	423 00	10
Packers	8	298	1 18	351 64	9 5
Painters	31	303	2 07	627 21	10
Paste boys	2	290	1 25	362 50	10
Photographer	1	155	1 00	155 00	9
Platers	5	185	1 74	321 90	10
Polish maker	1	302	2 00	604 00	10
Polishers	24	280	1 98	554 40	10
Pressers	6	237	1 50	355 50	9 6
Reel maker	1	306	2 50	765 00	10
Rollers	5	292	1 20	350 40	10
Rubber turners	3	300	2 50	750 00	10

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

MISCELLANEOUS—74 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Sawyer	1	230	$2 00	$460 00	10
Shipping clerks	4	251	2 00	502 00	9.7
Shredder (boy)	1	200	50	100 00	10
Stockers	12	292	1 25	365 00	10
Sugar coilers	2	60	4 00	240 00	12
Tank builder	1	306	2 00	612 00	10
Target maker	40	250	1 75	437 50	10
Teamsters	20	299	1 73	517 27	10
Tenders	4	300	2 00	600 00	10
Tinners	3	216	1 90	410 40	10
Tool maker	1	301	3 33	1,002 33	10
Tuners	6	287	1 92	551 04	10
Vulcanizers	2	278	1 75	486 50	10
Watchmen	6	237	1 40	331 80	11.3
Weavers	4	156	1 50	234 00	9
Wood workers	26	291	1 58	459 78	10
Yard men	1	302	1 65	498 30	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

ADVERTISING NOVELTIES AND SIGNS—7 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cleaners	2	305	$0 37	$112 85	9
Gilders	2	305	75	228 75	9
Helpers	27	251	52	130 52	10
Leather workers	70	295	86	253 70	8.6
Novelty workers	51	290	75	217 50	9
Painters	7	305	67	204 35	9
Pasters	32	299	66	197 34	9
Printers	4	300	75	225 00	9
Ruler workers	2	298	1 00	298 00	9
Sewers	10	298	85	253 30	9
Sign makers	120	297	65	193 05	9
Stock keepers	3	300	75	225 00	9
Wood workers	5	300	75	225 00	9
AGRICULTURAL IMPLEMENTS—1 ESTABLISHMENT.					
Helpers	75	307	1 00	307 00	9.5
AWNINGS, TENTS AND FLAGS—3 ESTABLISHMENTS.					
Laborers	2	270	1 00	270 00	9
Machine operators	6	250	1 00	250 00	10
Sewers	3	270	60	162 00	8.5
BASKETS—2 ESTABLISHMENTS.					
Braiders	10	191	65	124 15	7
Finishers	3	95	1 00	95 00	10
BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—2 ESTABLISHMENTS.					
Assemblers	4	302	90	271 80	10
Bag department hands	5	302	1 00	302 00	10
Grip workers	3	302	1 00	302 00	10
Laborers	5	200	75	150 00	10
Leather workers	1	302	1 50	451 00	10
Packer	1	302	75	226 50	10
BOOTS AND SHOES—18 ESTABLISHMENTS.					
Bottomers	13	272	65	176 80	10
Cutters	16	285	89	253 65	9.8
Fitters	1,297	283	94	266 02	9.6
Helpers	15	289	72	208 08	9.6
Machine hands	29	296	76	224 96	10
Packers	144	295	81	238 95	9.6
Sole leather workers	25	260	58	150 80	10
Stitchers	72	287	89	255 43	10
Table workers	2	288	50	144 00	10
Treers	15	266	69	183 54	10
BOXES (PAPER)—7 ESTABLISHMENTS.					
Box makers	62	304	72	218 88	9.7
Creasers	5	275	90	247 50	10
Folders	30	275	60	165 00	10
Gluers	5	275	70	172 50	10
Helpers	10	308	45	138 60	10
Machine hands	29	270	96	259 20	9.3
Machine hands' helpers	26	251	50	125 50	9
Press feeders	17	275	74	203 50	10
Printers' helpers	2	275	75	206 25	10
Strippers	7	275	60	165 00	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

BOXES (WOODEN)—8 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings. 1903.	Average hours of daily labor.
Box makers	2	306	$ 75	$229 50	9
Finishers	2	300	75	226 00	9
Forewoman	1	285	1 25	356 25	10
Nailers	22	306	66	201 96	9.8
Paperers	8	300	1 00	300 00	10
Pasters	12	300	70	210 00	9
Piece workers	17	285	60	171 00	10
Trimmers	4	305	85	259 25	9.2

BREAD AND OTHER BAKERY PRODUCTS—47 ESTABLISHMENTS.

Bakers' helpers	24	307	1 02	313 14	9.9
Box maker	1	305	1 00	305 00	10
Candy makers	3	305	75	228 75	10
Cleaner	1	365	1 00	365 00	10
Cooks	7	341	1 04	353 64	10
Dish washers	3	347	83	288 01	8.3
Forewoman	1	277	83	229 91	10
Helpers	3	308	83	255 64	10
Icers	6	285	2 50	712 50	9
Packers	66	293	60	175 80	10
Saleswomen	32	313	78	244 14	9.9

BRICK AND TILE—3 ESTABLISHMENTS.

Assorters	143	298	81	241 38	10
Brick maker	1	120	1 00	120 00	10
Brushers	4	308	1 00	308 00	10
Decorators	20	300	85	255 00	10
Designer	1	290	1 00	290 00	10
Edgers	6	308	58	178 64	10
Glaze department hands	47	300	85	255 00	10
Kiln placers	17	300	1 25	375 00	10
Mosaic department hands	11	300	1 15	345 00	10
Pasters	25	290	80	232 00	10
Pressers	138	298	85	253 30	10
Sample department hands	1	290	85	246 50	10
Slip department hands	2	300	85	255 00	10

BROOMS AND BRUSHES—7 ESTABLISHMENTS.

Assorters	32	242	68	154 56	9.6
Brush makers	15	300	75	225 00	10

CANNED GOODS—17 ESTABLISHMENTS.

Assorters	252	67	39	26 13	9.9
Canners	630	234	76	177 84	10
Can shop hands	13	236	83	195 88	9
Capper	1	48	1 25	60 00	10
Dairy hand	1	236	1 00	236 00	9
Feeders	24	48	1 00	48 00	9
Huskers	16	56	85	47 60	10
Labelers	73	88	81	71 28	9.6
Laborers	141	166	94	158 04	10
Peelers	134	85	68	57 80	9.5
Salters	2	98	1 00	98 00	10
Tester	1	98	1 10	107 80	10

CARRIAGES AND WAGONS—12 ESTABLISHMENTS.

Painter	1	312	75	234 00	8
Seamstresses	2	295	1 00	295 00	10
Trimmers	52	293	76	222 68	9.6

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

CARRIAGE AND WAGON MATERIALS—5 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers	11	290	$0 77	$223 30	9.8
Machine hands	2	274	1 00	274 00	10
Seamstresses	49	281	83	233 23	9.3
Upholsterers	3	250	1 00	250 00	10
Winders	6	250	1 00	250 00	10

CHEWING GUM—4 ESTABLISHMENTS.

Chicle pickers	8	270	65	175 50	10
Laborer	1	70	58	41 60	10
Machine operators	20	270	86	232 20	10
Rollers	8	270	1 00	270 00	10
Wrappers	46	263	88	231 44	9.3

CIGARS—63 ESTABLISHMENTS.

Assorters	2	305	85	259 25	10
Apprentices	3	310	50	155 00	10
Banders	6	306	32	97 92	9
Bunch breakers	527	277	1 03	285 31	9.3
Cigar makers	109	277	1 02	282 54	8.7
Forewomen	7	207	1 21	250 47	9.7
Laborers	4	300	60	180 00	10
Packers	96	269	90	242 10	8.7
Rollers	790	277	97	268 69	9.3
Stemmers	5	290	67	194 30	7.8
Strippers	408	214	56	119 84	9

CLOTHING—200 ESTABLISHMENTS.

Assorters	3	300	75	225 00	9
Box makers	2	275	83	228 25	9
Bushel hands	2	296	1 42	420 32	8.5
Button hole makers	2	225	70	157 50	8.5
Button sewers	3	253	83	209 99	9
Coat makers	45	300	95	285 00	9.4
Cutter	1	300	2 00	600 00	10
Fellers	6	253	1 00	453 00	9
Finishers	22	248	1 22	313 56	9
Floor lady	1	275	1 42	390 50	9
Forewomen	6	299	1 29	385 78	9.8
Forewomen's assistants	3	296	1 26	372 96	9.6
Helpers	13	200	91	182 00	9.6
Inspectors	14	296	94	278 24	9.5
Ironers	6	300	1 00	300 00	9
Machine operators	303	271	84	227 64	9.3
Pant makers	229	292	1 18	344 56	9.2
Piece worker	1	250	2 00	500 00	10
Pressers	4	300	92	276 00	8.2
Seamstresses	759	295	79	233 05	9.7
Skirt makers	37	295	86	223 70	8.7
Stock hands	22	300	1 21	363 00	9.9
Suspender makers	27	300	75	225 00	9
Tailoresses	87	286	1 18	337 48	9.1
Trimmers	10	301	59	177 59	9.7
Vest makers	238	294	1 13	332 22	9.1

COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.

Boxers	3	156	75	117 00	10
Labeler	1	220	46	101 20	9
Laborers	3	262	75	196 50	9

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
COFFINS AND BURIAL CASES—4 ESTABLISHMENTS.					
Cloth workers	4	296	$0 80	$236 80	9
Coverers	7	290	90	261 00	9
Metal workers	4	296	1 00	296 00	9
Painters	3	296	75	222 00	9
Robe makers	10	302	94	283 88	9.4
Seamstresses	10	297	98	291 06	9.1
CONFECTIONERY—16 ESTABLISHMENTS.					
Candy makers	45	296	88	260 48	9.3
Dippers	18	301	91	273 91	9.9
Forewoman	1	365	85	310 25	10
Helpers	34	283	71	200 93	9.9
Nut pickers	7	300	70	210 00	8
Saleswomen	3	263	67	176 21	9.3
Wrappers	2	300	75	225 00	9.5
COPPER AND BRASS GOODS—1 ESTABLISHMENT.					
Core makers	10	300	1 00	300 00	7
Packers	8	300	75	225 00	10
CORDAGE AND TWINE—3 ESTABLISHMENTS.					
Ballers	19	116	1 11	128 76	10
Cordage department hands	12	296	1 00	296 00	10
Helper	1	70	1 25	87 50	10
Preparers	18	365	90	328 50	10
Spinners	104	265	1 00	265 00	10
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—16 ESTABLISHMENTS.					
Basters	6	300	1 25	375 00	10
Boxer	1	300	50	150 00	10
Burlers	5	310	1 25	387 50	10
Button hole makers	2	290	1 00	290 00	10
Carders	5	291	66	192 06	10
Coverers	3	290	1 00	290 00	10
Crocheters	5	300	75	225 00	10
Cutters	29	297	1 03	305 91	10
Drawers	9	303	78	236 34	10
Edgers	5	300	1 50	450 00	10
Facers	4	300	1 50	450 00	10
Finishers	59	294	67	196 98	10
Fleecer	1	290	75	217 50	10
Folders	3	300	85	255 00	10
Forewomen	5	300	1 83	549 00	9.6
Helpers	16	278	72	210 16	10
Ironer	1	290	75	217 50	10
Joiners	22	305	1 75	533 75	10
Knitters	17	294	93	273 42	10
Loom fixer	7	301	69	207 69	10
Loopers	9	290	90	261 00	10
Machine operators	247	296	78	230 88	9.6
Marker	1	290	90	261 00	10
Menders	8	293	93	272 49	10
Packers	18	304	68	206 72	10
Piecers	2	305	83	253 15	10
Pressers	10	300	85	255 00	10
Seamers	71	305	99	301 95	10
Spinners	22	283	82	231 06	10
Splicers	20	310	1 10	341 10	10
Straighteners	2	290	75	217 50	10
Toppers	35	290	90	261 00	10
Trimmers	13	296	84	248 64	10
Turners	5	290	80	232 00	10

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—16 ESTABLISHMENTS. Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Twisters	4	303	$ 75	$227 25	10
Warpers	23	302	86	259 72	10
Weavers	158	290	1 18	342 20	10
Winders	10	301	69	207 69	10
CUTLERY AND EDGE TOOLS—4 ESTABLISHMENTS.					
Decorators	8	300	85	255 00	8.5
Knife makers	8	240	75	180 00	10
Packers	45	262	1 00	262 00	9.5
Printers	3	300	1 00	300 00	9
Shear makers	7	240	75	180 00	10
Wrappers	2	230	65	149 50	10
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—14 ESTABLISHMENTS.					
Bottlers	4	302	63	190 26	9
Folders	2	310	1 35	418 50	9
Finishers	2	304	50	152 00	7.5
Helpers	10	300	70	210 00	9.4
Labelers	4	300	81	243 00	10
Laboratory hand	1	306	50	153 00	10
Mailer	1	312	67	209 04	10
Packer	1	200	1 00	200 00	8
Printer	1	310	50	155 00	10
Saleswomen	5	200	1 50	300 00	7.5
Wrappers	7	309	86	265 74	9.7
ELECTRICAL GOODS AND SUPPLIES—16 ESTABLISHMENTS.					
Capper	1	294	1 61	453 34	10
Coil winders	5	306	1 10	336 60	9
Erectors	3	306	1 00	306 00	9
Exhausting room hands	16	294	1 26	390 44	10
Filament makers	19	285	1 10	313 50	10
Fillers	12	294	75	220 50	10
Finishers	20	285	1 00	285 00	10
Flange makers	6	294	97	285 18	10
Foreladies	5	276	1 85	510 60	10
Glass cutters	3	294	1 00	294 00	10
Glass room hands	34	285	1 40	399 00	10
Helpers	107	286	97	277 42	9.9
Inspectors	13	294	1 48	434 32	10
Janitress	1	305	83	253 15	9
Japanners	1	306	90	275 40	9
Labeler	1	294	1 60	470 40	10
Laboratory hands	39	285	1 20	342 00	10
Lamp makers	395	290	1 12	224 80	9.5
Lamp washers	8	294	89	261 66	10
Miniature department hands	12	285	1 40	399 00	10
Mounters	30	294	1 40	411 60	10
Painters	2	294	1 23	361 62	10
Photometer department hands	17	301	1 16	349 16	10
Pumping room hands	11	285	1 50	427 50	10
Refillers	3	285	1 10	313 50	10
Repairers	10	294	1 75	514 50	10
Sealers	12	294	1 85	543 90	10
Solderers	6	294	1 00	294 00	10
Sorters	19	261	86	220 46	10
Stern makers	12	285	1 17	333 45	10
Tapers	3	295	75	221 25	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

EXTRACTS, TOILET ARTICLES AND PERFUMERY—6 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers	2	306	$1 00	$306 00	9
Finishers	15	307	1 19	365 33	10
Forewoman	1	308	1 00	308 00	10
Glass workers	8	307	1 20	368 40	10
Helpers	12	308	65	200 20	10
Labelers	6	325	60	195 00	10
Laborers	2	300	1 00	300 00	9
Trimmer	1	250	1 00	250 00	8
Wood workers	10	307	1 20	368 40	10
FIREWORKS—2 ESTABLISHMENTS.					
Laborers	17	330	70	231 00	10
Molders	15	185	75	138 75	9
Packers	22	185	60	111 00	9
FLOURING MILL PRODUCTS—1 ESTABLISHMENT.					
Package laborers	240	242	1 00	242 00	10
Pasters	52	250	1 25	312 50	9
FOUNDRY AND MACHINE SHOP PRODUCTS—6 ESTABLISHMENTS.					
Bolt pilers	15	275	1 00	275 00	10
Core makers	17	283	1 05	197 15	10
Laborers	9	283	78	220 74	9.6
Packers	2	295	95	280 25	10
Winders	8	289	1 25	361 25	9
FURNITURE—7 ESTABLISHMENTS					
Art department hands	8	294	1 25	367 50	8.5
Caners	25	303	75	227 25	9
Finishers	10	282	1 00	282 00	10
Packers	3	288	75	216 00	10
Sewers	4	275	75	206 25	9
Wrappers	2	300	60	180 00	7
GAS AND ELECTRICITY—1 ESTABLISHMENT.					
Cleaner	1	365	1 00	365 00	10
GLASS AND GLASSWARE—11 ESTABLISHMENTS.					
Artists	10	309	1 50	463 50	8
Assorters	43	250	64	160 00	9.4
Cartooners	7	252	81	204 12	10
Cutters	8	232	81	187 92	9.8
Decorators	80	276	57	157 32	9.5
Etchers	14	252	98	246 96	10
Finishers	6	292	75	218 50	10
Glass washers	14	325	78	253 50	9
Grinders	6	252	62	156 24	10
Helpers	120	306	1 00	306 00	10
Lehr inspector	1	200	1 00	200 00	9.5
Melters	7	252	72	181 44	10
Mold cleaners	2	240	65	156 00	10
Sorters	7	200	1 20	240 00	9.5
Selectors	22	252	77	194 04	10
Shippers	5	240	75	180 00	10
Wrappers	24	241	88	212 08	9.6
GLASS WORKS' SUPPLIES—2 ESTABLISHMERTS.					
Roll workers	15	309	67	207 03	8

TABLE IVf—MANUFACTURES—CITIES—Continued.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
GLOVES AND MITTENS—10 ESTABLISHMENTS.					
Bundlers	2	300	$1 00	$300 00	9
Finisher	1	275	64	176 00	10
Forewomen	4	306	1 10	336 60	10
Glove makers	122	269	70	188 30	9.8
Helpers	27	286	72	205 92	10
Layers-off	3	300	1 00	300 00	9
Machine operators	13	230	60	138 00	8.4
Mitten makers	120	305	95	289 75	10
Seamstresses	156	294	92	270 48	9.7
Turners	12	246	66	162 36	9
HARDWARE—5 ESTABLISHMENTS.					
Enamelers	5	300	75	225 00	10
Laborers	107	297	87	258 39	10
Lacquerers	3	188	50	94 00	10
Packers	122	200	53	106 00	10
Painters	6	188	75	141 00	10
Riveters	12	188	70	131 60	10
HARNESS AND SADDLERY—4 ESTABLISHMENTS.					
Halter makers	22	285	90	256 50	10
Machine hand	1	300	75	225 00	8
Net makers	15	300	1 00	300 00	10
Pad makers	5	300	90	270 00	10
HATS, CAPS AND FURNISHINGS—3 ESTABLISHMENTS.					
Machine operators	93	291	78	226 98	8
HOLLOW-WARE—1 ESTABLISHMENT.					
Dippers	69	307	1 21	371 47	10
Packers	10	307	1 06	325 42	10
JEWELRY AND WATCHES—3 ESTABLISHMENTS.					
Balance workers	8	291	1 50	436 50	10
Crown makers	14	288	1 12	334 56	10
Damaskeeners	6	291	1 00	291 00	10
Dial makers	14	291	2 50	727 50	10
Engravers	28	290	1 87	542 30	10
Escape makers	19	291	1 50	436 50	10
Finishers	60	290	1 76	510 40	10
Gilders	2	291	1 50	436 50	10
Inspectors	3	285	70	199 50	10
Jewelers	54	291	1 89	549 99	10
Jointers	51	287	1 05	301 35	10
Laborers	29	288	1 12	322 56	10
Machine hands	2	288	1 12	322 56	10
Melters	2	288	1 12	322 56	10
Motion makers	10	291	1 50	436 50	10
Pinion makers	66	291	1 28	382 48	10
Polishers	88	287	1 06	304 22	10
Screw makers	63	291	1 50	436 50	10
Spring workers	3	285	54	153 90	10
LIGHTING APPARATUS—1 ESTABLISHMENT.					
Lantern makers	18	270	70	189 00	10
LIQUORS (DISTILLED)—4 ESTABLISHMENTS.					
Bottlers	3	310	65	201 50	8
Champagne makers	3	310	1 00	310 00	10
Helpers	4	310	83	257 30	10

TABLE IVf—MANUFACTURES—CITIES—Continued.

LIQUORS (MALT)—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Bottlers	8	305	$ 65	$198 25	10
LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—1 ESTABLISHMENT.					
Folders	9	273	1 00	273 00	10
MACHINERY—1 ESTABLISHMENT.					
Labelers	2	200	75	150 00	10
Tubers	6	200	67	134 00	10
MARBLE AND GRANITE—1 ESTABLISHMENT.					
Cutter	1	250	1 00	250 00	10
MARBLES—2 ESTABLISHMENTS.					
Laborers	15	300	80	240 00	10
Marble makers	24	249	1 20	298 80	8.5
MATTRESSES AND PILLOWS—3 ESTABLISHMENTS.					
Comfort makers	8	310	1 00	310 00	10
Feather department hand	1	310	60	186 00	10
Mattress makers	9	303	88	266 64	9.1
Seamstresses	34	296	92	272 32	9.6
Tick makers	2	307	75	230 25	9
Wire workers	10	310	1 60	496 00	10
OIL AND GREASE—1 ESTABLISHMENT.					
Cook	1	313	1 50	469 50	9
PAINTS AND VARNISHES—2 ESTABLISHMENTS.					
Card makers	5	250	75	187 50	10
Labelers	3	255	56	148 80	10
PICKLES, PRESERVES AND SAUCES—3 ESTABLISHMENTS.					
Laborers	18	60	75	45 00	10
Labeler	1	60	85	51 00	10
Wrappers	6	200	50	100 00	9
POTTERY AND STONEWARE—46 ESTABLISHMENTS.					
Art department hands	30	313	1 25	391 25	10
Bisque department hands	24	250	1 35	337 50	8.2
Brushers	44	259	88	227 92	9
Casters	3	300	1 00	300 00	10
Clay workers	116	272	1 89	514 08	9
Decalcomaine workers	73	295	93	374 35	8.8
Decorators	697	269	1 22	328 18	8.7
Decorators' apprentices	60	300	75	225 00	8
Dippers	84	289	1 00	289 00	8.7
Dressers	27	214	97	207 58	9
Fetters	32	306	1 25	382 50	9
Fillers-in	8	300	1 00	300 00	9
Finishers	82	294	88	258 72	9.8
Gilders	2	300	2 50	750 00	9
Glost hands	7	300	1 00	300 00	9
Ground layer	1	300	2 25	675 00	9.7
Headers	3	194	1 75	339 50	9.5
Helpers	161	284	1 08	306 72	9.3
Jiggermen's helpers	24	214	1 26	269 64	8
Jolley men's helpers	8	200	1 00	200 00	9

TABLE IV*f*—MANUFACTURES—CITIES—Continued.

POTTERY AND STONEWARE—46 ESTABLISHMENTS—Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Kiln drawers	34	249	$ 95	$236 55	9.5
Placers	2	194	75	145 50	9.5
Selectors	80	300	1 00	300 00	9
Shippers	5	294	1 00	294 00	10
Sponger	1	306	1 50	459 00	9
Transferers	6	285	2 00	570 00	9
Trimmers	2	194	75	145 50	9.5
Tube makers	4	312	2 40	748 80	8
Turners	6	284	1 05	298 20	8.5
Warehouse helpers	371	288	1 02	293 76	9
Ware makers	6	300	1 50	450 00	9
POTTERS' SUPPLIES—3 ESTABLISHMENTS.					
Laborers	4	316	1 00	316 00	8
Stilt makers	43	295	1 20	354 00	8
PRINTING AND BINDING—180 ESTABLISHMENTS.					
Apprentices	8	308	76	234 08	9
Binders	487	312	78	243 36	9.1
Circulator	1	310	75	232 50	9
Collectors	5	269	80	215 00	9.8
Compositors	395	314	1 00	314 00	9.5
Copy holders	2	300	1 00	300 00	8.5
Editors' assistants	3	309	1 62	500 58	8.6
Folders	16	306	64	195 84	9.1
Forewoman	1	260	1 00	260 00	10
Gummers	10	305	83	253 15	9
Helpers	22	304	83	252 32	9
Laborers	73	308	1 00	308 00	9
Machine operators	44	304	1 15	349 60	9
Press feeders	69	274	78	213 72	9.4
Proof readers	3	214	1 36	291 04	7.8
Reporters	16	316	1 10	347 60	7.7
Sewers	2	310	87	269 70	9
Stitchers	3	308	90	277 20	10
Straightener	1	260	75	195 00	10
Subscription clerk	1	310	40	124 00	10
Turners	4	260	75	195 00	10
RUBBER GOODS—14 ESTABLISHMENTS.					
Curer	1	280	1 10	308 00	10
Drill workers	34	276	1 40	386 40	10
Finishers	15	285	85	242 25	10
Forewomen	2	305	1 65	503 25	10
Helpers	347	284	1 15	326 60	10
Inspectors	3	305	1 20	366 00	10
Packers	10	222	69	153 18	10
Pinchers	22	280	1 30	364 00	10
Polishers	26	280	1 40	392 00	10
Press workers	20	300	1 25	375 00	10
Rubber workers	129	299	94	281 06	10
Tire builders	71	302	1 37	413 74	10
SASH, DOORS, LUMBER AND INTERIOR FINISH—3 ESTABLISHMENTS.					
Enamelers	16	275	75	206 25	10
Finishers	4	286	70	200 20	9
Helper	1	306	75	229 50	10
SOAP, CANDLES AND TALLOW—4 ESTABLISHMENTS.					
Wrappers	7	274	89	243 86	7

TABLE IVf—MANUFACTURES—CITIES—Continued.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
SODA AND MINERAL WATERS—2 ESTABLISHMENTS.					
Bottle washer	1	300	$ 75	$225 00	10
Labeler	1	313	1 25	391 25	10
STEEL, IRON AND TIN—4 ESTABLISHMENTS.					
Assorters	111	246	1 27	312 42	10
Counters	7	273	1 23	335 79	10
Openers	58	256	1 49	381 44	9.6
STRAWBOARDS AND PAPER—16 ESTABLISHMENTS.					
Assorters	229	302	70	211 40	9.8
Cutters	16	242	92	222 64	10.7
Finishers	24	282	88	248 16	9.9
Forewomen	4	307	1 22	374 54	9
Helpers	154	3 00	70	210 00	10
Machine tenders	39	258	81	208 98	10
Press feeders	3	275	85	233 75	10
Rag sorters	24	306	1 20	367 20	10
TINWARE, SHEET IRON AND GALVANIZED IRONWARE—12 ESTABLISHMENTS.					
Can makers	3	290	85	246 50	10
Dippers	100	297	1 42	421 74	10
Drafting room hands	2	300	1 00	300 00	9
Helpers	65	283	73	206 59	10
Machine operators	66	300	82	246 00	10
Metal workers	2	200	75	150 00	10
Off-bearers	18	308	87	267 96	10
Packers	29	305	67	204 35	10
Painters	11	301	94	282 94	10
Polishers	2	300	1 50	450 00	10
Press operators	5	178	1 04	185 12	10
Solderers	36	279	1 28	357 12	10
Sorters	4	308	85	261 80	10
Tinners	21	300	76	228 00	8
Wrappers	11	308	85	261 80	10
TOBACCO (CHEWING AND SMOKING)—8 ESTABLISHMENTS.					
Dresser	1	305	1 00	305 00	8
Machine room hands	95	306	1 26	485 56	10
Packers	193	302	1 13	341 26	9
Press hands	17	306	1 22	373 32	10
Sizers	45	300	80	240 00	8
Spreader	1	305	90	274 50	8
Spriggers	55	310	75	232 50	10
Stemmers	214	287	47	134 89	9
Taggers	25	306	1 03	315 18	10
UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.					
Operators	54	299	85	254 15	9
Tippers	12	290	75	217 50	10
WIRE RODS, WIRE CLOTH AND WIRE GOODS—3 ESTABLISHMENTS.					
Bird cage makers	6	300	65	195 00	10
Nail workers	10	283	86	243 38	10
Sifters	20	300	80	240 00	10
Winder	1	309	67	207 03	8
Wire workers	10	300	65	195 00	10
Weavers	3	300	75	225 00	10

TABLE IV*f*—MANUFACTURES—CITIES—Concluded.

MISCELLANEOUS—34 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Assemblers	3	200	$0 75	$150 00	10
Binders	3	275	1 75	481 25	10
Cap cutter	1	159	75	119 25	9
Cap pasters	2	159	75	119 25	9
Cap setter	1	159	1 00	159 00	9
Cleaners	6	273	96	262 08	10
Cutter	1	200	1 67	334 00	10
Etchers	4	300	1 00	300 00	9
Fillers	5	300	1 00	300 00	10
Filler makers	7	282	50	141 00	10
Finishers	15	283	78	220 74	10
Forewoman	1	300	1 00	300 00	10
Helpers	7	281	79	221 99	9.7
Knitters	5	300	50	150 00	10
Laborers	51	269	83	223 27	10
Machine operators	17	260	97	252 20	9.8
Machine operators' helpers	4	290	83	240 70	10
Machine tenders	5	282	75	211 50	10
Mask maker	17	300	85	255 00	10
Packers	92	290	77	223 30	9.2
Painters	25	260	74	192 40	10
Parers	9	240	50	120 00	10
Pasters	4	228	50	114 00	10
Platers	30	292	65	189 80	10
Riveters	2	300	50	150 00	10
Seamstresses	20	302	81	244 62	10
Twisters	17	273	63	171 99	10
Tube rollers	13	262	90	235 80	10
Varnishers	2	300	80	240 00	10
Warpers	14	273	90	245 70	10
Weavers	10	273	65	177 45	10
Winders	16	273	77	210 21	9
Wrapper	1	300	42	126 00	10

TABLE IV*ff*—MANUFACTURES—CITIES.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs	Artists	21	5.7	.....
,, ,, ,, ,,	Carpenters	8	12	.....
,, ,, ,, ,,	Cutters	9	12	.....
,, ,, ,, ,,	Designer	1	17	.....
,, ,, ,, ,,	Engineer	1	12	.....
,, ,, ,, ,,	Feeders	12	11	.....
,, ,, ,, ,,	Foreman	1	12	.....
,, ,, ,, ,,	Laborers	68	14	.....
,, ,, ,, ,,	Leather workers	23	5.6	.....
,, ,, ,, ,,	Lithographers	24	6	.....
,, ,, ,, ,,	Novelty workers	34	6	.....
,, ,, ,, ,,	Pressmen	13	7.6	.....
,, ,, ,, ,,	Printers	3	12	.....
,, ,, ,, ,,	Rule makers	2	12	.....
,, ,, ,, ,,	Sign makers	120	5.3	.....
,, ,, ,, ,,	Shipping clerk	1	12	.....
,, ,, ,, ,,	Stencil makers	8	12	.....
,, ,, ,, ,,	Stock keepers	1	12	.....
,, ,, ,, ,,	Stone grinders	6	5	.....
,, ,, ,, ,,	Transferers	5	2.5	.....
,, ,, ,, ,,	Wood workers	21	12	.....
Agricultural implements	Blacksmiths	4	12.5	.....
,, ,,	Carpenters	11	12.5	.....
,, ,,	Core makers	11	2.9	.....
,, ,,	Cupola tender	1	12.5	.....
,, ,,	Engineer	1	12.5	.....
,, ,,	Erectors	30	10	.....
,, ,,	Laborers	27	9.7	.....
,, ,,	Laborers (boys)	2	12.5	.....
,, ,,	Machinists	20	12.5	.....
,, ,,	Molders	41	5.7	.....
,, ,,	Painters	10	12.5	.....
,, ,,	Teamsters	1	12.5	.....
,, ,,	Warehouse man	1	15	.....
Billiard tables, bar and store fixtures	Machine hands	3	5	.....
,, ,, ,, ,, ,, ,,	Platers	3	5	.....
,, ,, ,, ,, ,, ,,	Wood workers	40	8.5	.....
Boilers, engines and tanks	Apprentices	27	12	.....
,, ,, ,, ,,	Apprentices	5	.....	4
,, ,, ,, ,,	Blacksmiths	36	6.3	.....
,, ,, ,, ,,	Blacksmiths' helpers	21	6.3	.....
,, ,, ,, ,,	Boiler makers	79	8.7	.....
,, ,, ,, ,,	Boiler makers' helpers	24	15	.....
,, ,, ,, ,,	Carpenter	1	4.5	.....
,, ,, ,, ,,	Carpenter	1	.....	3
,, ,, ,, ,,	Core makers	32	6.7	.....
,, ,, ,, ,,	Cupola tender	1	8	.....
,, ,, ,, ,,	Draughtsmen	22	12.4	.....
,, ,, ,, ,,	Engineers	10	13.3	.....
,, ,, ,, ,,	Erectors	19	10	.....
,, ,, ,, ,,	Erectors	15	.....	5
,, ,, ,, ,,	Foremen	11	10	.....
,, ,, ,, ,,	Heaters	7	10	.....
,, ,, ,, ,,	Laborers	286	10.9	.....
,, ,, ,, ,,	Machine hands	9	5	.....
,, ,, ,, ,,	Machinists	223	11.2	.....
,, ,, ,, ,,	Molders	123	13.3	.....
,, ,, ,, ,,	Molders	5	.....	4
,, ,, ,, ,,	Molders' helpers	53	10	.....
,, ,, ,, ,,	Painters	19	4.1	.....
,, ,, ,, ,,	Pattern makers	51	9.7	.....
,, ,, ,, ,,	Pattern makers	6	.....	5
,, ,, ,, ,,	Plumber	1	18	.....
,, ,, ,, ,,	Teamster	1	.....	5
,, ,, ,, ,,	Tinners	2	6.2	.....
,, ,, ,, ,,	Vise hands	8	10	.....
,, ,, ,, ,,	Ware cleaners	1	8	.....
Boots and shoes	Bottomers	23	2	.....
,, ,, ,,	Cutters	77	2.4	.....
,, ,, ,,	Lasters	11	2	.....
,, ,, ,,	Machine hands	104	.....	3

TABLE IVff—MANUFACTURES—CITIES—Continued.

Table by Industries Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Boots and shoes	Packers	1	1	.....
" " "	Stock fitters	25	.....	3.5
Boxes (paper)	Cutters	5	5	.....
" "	Foreman	1	10	.....
" "	Laborers	3	5	.....
" "	Machine hands	8	5	.....
Boxes (wooden)	Yard men	36	1.5	.....
Bread and other bakery products	Apprentice	1	66	.....
" " " " "	Bakers	55	16	.....
" " " " "	Box makers	2	10	.....
" " " " "	Clerks	6	9.1	.....
" " " " "	Drivers	12	9.5	.....
" " " " "	Drivers	1	.....	12.5
" " " " "	Engineer	1	14	.....
" " " " "	Foremen	2	11.1	.....
" " " " "	Helpers	2	4.3	.....
" " " " "	Hostler	1	10	.....
" " " " "	Icer	1	17	.....
" " " " "	Machine operator	1	17	.....
" " " " "	Mixer	1	14	.....
" " " " "	Oven men	14	10	.....
" " " " "	Peeler	1	20	.....
" " " " "	Porter	3	10	.....
Brick and tile	Assorters	28	4.6	.....
" " "	Blacksmiths	2	7.5	.....
" " "	Blacksmiths' helper	1	10	.....
" " "	Box department hands	8	5	.....
" " "	Brick layers	7	8.4	.....
" " "	Brick makers	67	9	.....
" " "	Burners	88	5.8	.....
" " "	Burners	2	.....	7.4
" " "	Carpenters	4	7.5	.....
" " "	Carriers	2	10	.....
" " "	Clay miners	140	8.6	.....
" " "	Decorators	3	5	.....
" " "	Dryers	1	11	.....
" " "	Engineers	13	12.5	.....
" " "	Engineer	1	.....	11
" " "	Firemen	9	9.9	.....
" " "	Foremen	5	10.2	.....
" " "	Glazers	50	5	.....
" " "	Grinders	20	5	.....
" " "	Handlers	6	5	.....
" " "	Helpers	1	2.5	.....
" " "	Hostlers	4	8	.....
" " "	Laborers	377	7.9	.....
" " "	Loaders	47	8.7	.....
" " "	Machine men	7	10	.....
" " "	Machinists	12	8	.....
" " "	Miscellaneous	5	10	.....
" " "	Mixers	30	12.5	.....
" " "	Mosaic workers	9	5	.....
" " "	Molder	1	10	.....
" " "	Packers	30	5	.....
" " "	Pasters	5	5	.....
" " "	Placers	37	5	.....
" " "	Pressmen	62	4	.....
" " "	Quarry men	8	12.5	.....
" " "	Railway employe	1	12	.....
" " "	Sagger makers	8	5	.....
" " "	Setters	60	6.3	.....
" " "	Slippers	15	5	.....
" " "	Teamsters	23	10.5	.....
" " "	Temperers	3	18.6	.....
" " "	Watchmen	2	5	.....
" " "	Wheelers	58	7.3	.....
" " "	Yard men	127	12.5	.....
Brooms and brushes	Assorters	1	.....	10
" " "	Sewer	1	.....	12.5
" " "	Tyers	1	.....	12.5

TABLE IV*ff*—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Canned goods	Canners	135	10	.....
" "	Huskers	40	10	.....
" "	Laborers	135	9.2	.....
" "	Warehouse employes	10	10	.....
Carriages and wagons	Blacksmiths	37	8.7	.....
" " "	Blacksmiths' helpers	13	11.1	.....
" " "	Body maker	1	5	.....
" " "	Foundry men	8	4	.....
" " "	Machinists	11	4	.....
" " "	Painters	46	9.6	.....
" " "	Painters' helpers	5	10	.....
" " "	Trimmers	12	7.6	.....
" " "	Trimmers' helper	1	10	.....
" " "	Warehouse men	6	4	.....
" " "	Wood worker	18	9.7	.....
" " "	Yard men	5	4	.....
Carriage and wagon materials	Body makers	18	10	.....
" " " "	Engineers	4	13.7	.....
" " " "	Firemen	2	10	.....
" " " "	Foremen	5	7	.....
" " " "	Helper	1	14	.....
" " " "	Inspector	1	12.5	.....
" " " "	Laborers	112	6.6	.....
" " " "	Machine operators	86	5.7	.....
" " " "	Machinist	1	12.5	.....
" " " "	Reed workers	6	10	.....
" " " "	Shipping clerk	1	5	.....
" " " "	Teamsters	3	6.7	.....
" " " "	Watchman	1	15	.....
" " " "	Wood workers	43	9.9	.....
" " " "	Yard men	20	5	.....
Chewing gum	Gum maker	1	50	.....
" "	Gum maker's assistants	2	16.2	.....
" "	Machinist	1	16.2	.....
" "	Packer	1	16.2	.....
Cigars	Banders	5	25	.....
"	Casers	3	25	.....
"	Cigar makers	10	7.5	.....
"	Laborers	7	20	.....
"	Packers	8	25	.....
"	Rollers	13	25	.....
"	Strippers	32	23.6	.....
Clothing	Bushelman	1	10	.....
"	Coat makers	63	10.4	.....
"	Coat makers	2	.....	10
"	Cutters	20	7.7	.....
"	Engineers	2	18.7	.....
"	Machinists	2	15.5	.....
"	Shipping clerks	2	5	.....
"	Tailors	8	17.5	.....
Coffins and burial cases	Foreman	1	10	.....
" " " "	Glue hand	1	10	.....
" " " "	Machine hands	2	10	.....
Confectionery	Candy makers	8	4.5	.....
"	Helpers	3	20	.....
"	Ice cream maker	1	10	.....
"	Shipping clerk	1	12.5	.....
Cooperage	Coopers	34	7	.....
"	Foreman	1	11	.....
"	Laborers	25	15	.....
"	Teamsters	3	9	.....
Copper and brass goods	Apprentice	1	25	.....
" " " "	Coppersmith	1	6	.....
" " " "	Polisher	1	14	.....
Cordage and twine	Engineers	5	2	.....
" " "	Firemen	5	7	.....
" " "	Foremen	13	5	.....
" " "	Machinists	10	.....	12
" " "	Miscellaneous	14	15	.....
" " "	Packers	44	2	.....

TABLE IVff—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Cordage and twine	Preparers	216	5	.....
" " "	Rope makers	39	7	.....
" " "	Watchmen	2	6	.....
Cotton & woolen goods (knit & woven)	Carpenter	1	11	.....
" " " " "	Drawer	1	7	.....
" " " " "	Dyer	1	20	.....
" " " " "	Engineers	2	18	.....
" " " " "	Finishers	8	10	.....
" " " " "	Fireman	1	18.7	.....
" " " " "	Loom fixer	1	12.5	.....
" " " " "	Shipping clerk	1	9	.....
" " " " "	Weavers	5	28.4	.....
" " " " "	Wool washer	1	12	.....
Cutlery and edge tools	Cutters	12	30	.....
" " " "	Forgers	2	11	.....
" " " "	Grinders	5	20	.....
" " " "	Hardeners	2	11	.....
" " " "	Knife makers	60	10	.....
" " " "	Machinists	2	25	.....
" " " "	Photographer	1	20	.....
" " " "	Shear makers	90	10	.....
Dairy products	Laborers	17	10	.....
Dental and surgical chairs	Cabinet makers	12	10	.....
" " " "	Carpenters	6	10	.....
Drugs, chemicals & druggists' sundries	Bottlers and packers	4	25	.....
" " " "	Bottle washer	1	25	.....
" " " "	Compositor	10	8	.....
" " " "	Foreman	1	16	.....
" " " "	Mixers	3	18.6	.....
" " " "	Shippers	2	23.3	.....
Electrical goods and supplies	Apprentices	4	25	.....
" " " "	Foremen	2	16.7	.....
" " " "	Laborers	4	20	.....
" " " "	Mechanics	2	15	.....
" " " "	Millers	9	14.1	.....
" " " "	Packers	3	5	.....
" " " "	Platers	5	18	.....
" " " "	Pressmen	4	8	.....
" " " "	Scrapers	2	20	.....
" " " "	Transformer dept. hands	10	5	.....
Extracts, toilet articles and perfumery	Chemist	1	6.5	.....
" " " " "	Laborer	1	20	.....
" " " " "	Packers	2	6.5	.....
Fertilizers	Engineer	1	10	.....
"	Laborers	3	10	.....
Flouring mill products	Coopers	2	15	.....
" " "	Engineers	9	9.1	.....
" " "	Grinder	1	10	.....
" " "	Laborers	15	10.7	.....
" " "	Millers	14	8.4	.....
" " "	Packer	1	10	.....
" " "	Teamsters	8	8	.....
Foundry and machine shop products	Apprentices	24	8.6	.....
" " " " "	Blacksmiths	14	12.5	.....
" " " " "	Boiler makers	17	21.5	.....
" " " " "	Buffers	3	10	.....
" " " " "	Carpenters	9	3.9	.....
" " " " "	Chippers	32	6.3	.....
" " " " "	Core makers	32	7.3	.....
" " " " "	Crane men	7	5.2	.....
" " " " "	Cupola tender	14	6.2	.....
" " " " "	Die sinkers	2	10	.....
" " " " "	Engineers	5	13.5	.....
" " " " "	Erectors	6	25	.....
" " " " "	Foremen	8	10	.....
" " " " "	Grinders	3	.....	16
" " " " "	Grinder	1	10	.....
" " " " "	Hammer men	5	10	.....
" " " " "	Handy men	7	10	.....
" " " " "	Helpers	119	5.8	.....
" " " " "	Laborers	203	8	.....

TABLE IVff—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Foundry and machine shop products	Laborers	25	.....	20
" " " " "	Laborers (boys)	8	10	.....
" " " " "	Machine hands	14	4	.....
" " " " "	Machinists	60	.....	20
" " " " "	Machinists	255	6.9	.....
" " " " "	Molders	528	6.7	.....
" " " " "	Pattern makers	15	16	.....
" " " " "	Plater	1	10	.....
" " " " "	Polishers	13	10	.....
" " " " "	Polishers	16	.....	10
" " " " "	Press hands	10	10	.....
" " " " "	Teamster	1	5	.....
" " " " "	Trimmers	4	.....	4.5
" " " " "	Watchmen	2	5	.....
" " " " "	Watchman	1	.....	9
Furniture	Bench hands	8	10	.....
"	Benders	10	7	.....
"	Cabinet makers	70	7	.....
"	Caners	8	5	.....
"	Carvers	4	7	.....
"	Chair makers	44	6.6	.....
"	Cutter	1	5	.....
"	Engineer	3	5.7	.....
"	Finishers	123	8.3	.....
"	Firemen	3	7	.....
"	Gluers	2	5	.....
"	Grinder	1	20	.....
"	Laborers	81	6.6	.....
"	Machine hands	233	7	.....
"	Machine hands' helpers	18	5	.....
"	Machinists	12	9.5	.....
"	Molders	6	10	.....
"	Packers	55	7.3	.....
"	Painters	2	5	.....
"	Shipping clerks	7	7	.....
"	Teamsters	6	7	.....
"	Turners	15	7	.....
"	Veneerers	9	4.5	.....
"	Upholsterers	2	5	.....
"	Watchmen	4	7.7	.....
"	Wood workers	7	6.4	.....
Gas and electricity	Drivers	2	9	.....
" " "	Dynamo tenders	4	12.1	.....
" " "	Electricians	14	10.1	.....
" " "	Engineers	2	.....	3.5
" " "	Engineers	16	13.4	.....
" " "	Firemen	11	11	.....
" " "	Foremen	4	12.5	.....
" " "	Gas makers	2	.....	8
" " "	Gas makers	9	17.7	.....
" " "	Helper	1	15	.....
" " "	Laborers	95	13	.....
" " "	Linemen	29	20.5	.....
" " "	Meter man	1	14	.....
" " "	Motormen	6	15	.....
" " "	Plumbers	2	.....	8
" " "	Trimmers	11	12.7	.....
" " "	Trimmer	1	.....	1
" " "	Trimmers' helper	1	11.5	.....
" " "	Wipers	2	7	.....
" " "	Wire men	6	8.6	.....
Glass and glassware	Blocker	7	17.2	.....
" " "	Blowers	181	2.6	.....
" " "	Cutters	65	7	.....
" " "	Engineers	4	10	.....
" " "	Finishers	206	2	.....
" " "	Gatherers	572	10.3	.....
" " "	Grinders	10	.....	12.5
" " "	Laborers	198	10	.....
" " "	Laborers (boys)	125	6.2	.....
" " "	Marvelers	3	2.1	.....

TABLE IV*ff*—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Glass and glassware	Mixers	4	16.7	.....
" " "	Packers	16	8.4	.....
" " "	Weighers	2	10	.....
" " "	Yard men	12	5	.....
Gunpowder and other explosives	Carpenter	1	7	.....
" " " "	Foreman	1	9	.....
" " " "	Machinist's helper	1	18	.....
" " " "	Painter	1	11	.....
Handles	Belter	3	5	.....
"	Engineer	1	5	.....
"	Handle makers	20	15	.....
"	Laborers	24	13.4	.....
"	Laborers (skilled)	8	8.3	.....
"	Packer	1	5	.....
"	Sawyers	17	8.3	.....
"	Teamster	1	5	.....
"	Turners	7	6.7	.....
"	Watchman	1	5	.....
Hardware	Anneallers	22	5	.....
"	Fireman	1	5	.....
"	Lathe turners	9	3	.....
"	Machine hands	15	20	.....
"	Machinists	2	10	.....
"	Packers	13	5	.....
"	Plater	1	12.5	.....
"	Tinners	9	15	.....
"	Tool makers	2	8	.....
Harness and saddlery	Harness makers	78	5.8	.....
Ice (artificial)	Cutters	5	10	.....
" "	Drivers	53	11.1	.....
" "	Engineers	7	15	.....
" "	Firemen	6	8.3	.....
" "	Helpers	10	11.4	.....
" "	Ice pullers	4	7.5	.....
" "	Tank men	4	18.3	.....
Iron (structural and architectural)	Blacksmiths	2	14	.....
" " " "	Erectors	3	14	.....
" " " "	Iron workers	6	6	.....
" " " "	Laborers	53	10	.....
" " " "	Machine hands	14	10	.....
" " " "	Painters	3	10	.....
" " " "	Template maker	1	20	.....
Jewelry and watches	Engravers	9	5.5	.....
" " "	Finishers	10	5.5	.....
" " "	Inspectors	3	5.5	.....
" " "	Jointers	6	5.5	.....
" " "	Machine hands	6	5.5	.....
" " "	Platers	4	5.5	.....
" " "	Polishers	12	5.5	.....
" " "	Press-room hands	7	5.5	.....
" " "	Spring dept. workers	4	5.5	.....
" " "	Turners	7	5.5	.....
Leather and leather goods	Beam hands	5	16.7	.....
" " " "	Belt makers	15	11.5	.....
" " " "	Curriers	10	16.7	.....
" " " "	Engineer	1	9	.....
" " " "	Tanners	3	10	.....
" " " "	Watchman	1	10	.....
" " " "	Yard men	6	8	.....
Lime, sand, cement and plaster	Blacksmith	1	10	.....
" " " " "	Car men	2	10	.....
" " " " "	Carpenters	2	10	.....
" " " " "	Cart boys	10	10	.....
" " " " "	Crusher men	16	10	.....
" " " " "	Engineers	9	13.7	.....
" " " " "	Foreman	1	33.3	.....
" " " " "	Foremen's assistants	5	10	.....
" " " " "	Laborers	127	9.7	.....
" " " " "	Lime burners	12	15	.....
" " " " "	Loaders	25	10	.....
" " " " "	Miners (coal)	61	20	.....

TABLE IVff—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Lime, sand, cement and plaster	Miners (limestone)	34	20	.....
" " " " "	Quarry men	55	12.6	.....
" " " " "	Shopmen	3	10	.....
" " " " "	Teamsters	51	13.2	....
" " " " "	Truckman	1	10	.....
" " " " "	Wheelers	16	10	.....
Liquors (distilled)	Laborers	6	20	.....
" "	Pressman	1	20	.....
" "	Wine makers	5	20	.....
Liquors (malt)	Brewers	9	9.6	.....
" "	Cellar men	3	4.5	.....
" "	Drivers	9	7.4	.....
" "	Foreman	1	20	.....
" "	Helper	1	22	.....
Lithographing, engraving and electrotyping	Apprentices	2	38	.....
" " " "	Artist	1	20	.....
" " " "	Etcher	1	20	.....
" " " "	Photographer	3	16.7	....
" " " "	Router	1	20	.....
Machinery	Apprentices	52	11.3	.....
"	Blacksmiths	37	7.3	.....
"	Blacksmith helpers	3	12	.....
"	Boiler makers	34	14.8	.....
"	Carpenters	4	9.5	.....
"	Core makers	9	10	.....
"	Core makers	2	.....	3
"	Draughtsmen	9	10	.....
"	Erectors	21	6.9	.....
"	Engineers	3	7.7	.....
"	Helpers	16	19.2	.....
"	Laborers	128	7.3	.....
"	Laborers	19	.....	6.6
"	Laborers (skilled)	44	7.5	....
"	Machine operators	37	8.4	.....
"	Machinists	418	9.2	.....
"	Molders	73	9.4	.....
"	Painters	19	2.3	.....
"	Pattern makers	11	11.1	.....
"	Pipe fitters	2	12	.....
"	Pressmen	6	10	.....
"	Teamsters	2	10	.....
"	Tinners	8	10	.....
"	Watchmen	2	10	.....
"	Wood workers	2	12	.....
Malt	Engineers	2	8	.....
"	Foremen	3	8	.....
"	Laborers	4	10	.....
"	Maltsters	49	8.6	.....
"	Watchmen	3	8	.....
Marble and granite	Burman	1	.....	5
" " "	Engineer	1	20	.....
" " "	Feeder	1	10	.....
" " "	Foremen	2	7.5	.....
" " "	Laborers	16	8.5	.....
" " "	Packer	1	10	.....
" " "	Teamsters	2	10	.....
Oil and grease	Acid workers	8	26	.....
" " "	Boiler makers	158	9	.....
" " "	Brick masons	9	4	.....
" " "	Brick masons' helpers	8	16	.....
" " "	Butcher	1	20	.....
" " "	Carpenters	10	6	.....
" " "	Car repairers	32	7	.....
" " "	Engineer	1	12	.....
" " "	Laborers (skilled)	89	3	.....
" " "	Machinists	16	12	.....
" " "	Paraffine workers	54	5	.....
" " "	Pipe fitters	29	5	.....
Paints and varnishes	Foremen	2	9	.....
" " "	Helpers	4	9	.....
" " "	Machine operators	8	6	.....

TABLE IV*ff*—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Paints and varnishes	Mechanics	4	18.5	.....
" " "	Shipping clerks	2	25	.....
Patterns and models	Pattern makers	6	2.5	.....
Pianos and other musical instruments	Action finishers	6	7.5	.....
" " " " "	Bellows makers	4	7.5	.....
" " " " "	Cabinet makers	10	10	.....
" " " " "	Case makers	3	7.5	.....
" " " " "	Engineer	1	5.5	.....
" " " " "	Finishers	3	17.4	.....
" " " " "	Laborers	3	20.3	.....
" " " " "	Organ builders	5	10	.....
" " " " "	Pipe makers	4	24.8	.....
" " " " "	Polishers	2	6.2	.....
" " " " "	Rubbers	2	4.7	.....
" " " " "	Stainers	2	21.3	.....
" " " " "	Stringer	1	33.3	.....
" " " " "	Tuner	3	7.1	.....
" " " " "	Varnishers	3	8.1	.....
Pickles, preserves and sauces	Foreman	1	12.5	.....
Plumbing, steam and gas fitting supplies	Blacksmith	1	10	.....
" " " " " "	Core makers	12	10	.....
" " " " " "	Engineer	1	10	.....
" " " " " "	Foremen	3	10	.....
" " " " " "	Gas fitter	1	15	.....
" " " " " "	Helpers	3	15	.....
" " " " " "	Laborers	67	10	.....
" " " " " "	Machinists	10	11	.....
" " " " " "	Molders	43	10	.....
" " " " " "	Pattern makers	4	10	.....
" " " " " "	Plumbers	4	15	.....
" " " " " "	Steam fitters	2	15	.....
" " " " " "	Tool maker	1	10	.....
Pottery and stoneware	Blacksmith	2	20	.....
" " "	Burners	2	10	.....
" " "	Clay workers	104	9.1	.....
" " "	Decalcomanie workers	8	25	.....
" " "	Dipper	1	10	.....
" " "	Drawers	70	17	.....
" " "	Engineers	9	16.1	.....
" " "	Fireman	1	10	.....
" " "	Foreman	1	10	.....
" " "	Glost department hands	2	10	.....
" " "	Grinder	1	9	.....
" " "	Helpers	2	10	.....
" " "	Jollymen	5	10	.....
" " "	Jolly boys	6	10	.....
" " "	Kiln men	127	8.4	.....
" " "	Laborers	95	11.6	.....
" " "	Machinist	1	25	.....
" " "	Mold makers	4	9.3	.....
" " "	Packers	9	7.5	.....
" " "	Pressers	5	10	.....
" " "	Sagger makers	7	22.8	.....
" " "	Slippers	6	9.5	.....
" " "	Teamsters	5	16	.....
" " "	Turner	1	10	.....
" " "	Watchmen	2	11.8	.....
Potters' supplies	Engineers	2	15	.....
Printing and binding	Advertisers	3	13.3	.....
" " "	Apprentices	18	20.7	.....
" " "	Binders	6	12.1	.....
" " "	Collectors	5	8.2	.....
" " "	Compositors	195	10.6	.....
" " "	Editors	4	9.5	.....
" " "	Editor	1	.....	12.5
" " "	Engineer	1	33.3	.....
" " "	Feeders	96	12.3	.....
" " "	Finisher	1	6	.....
" " "	Foremen	19	14.4	.....
" " "	Forwarder	1	20	.....
" " "	Galley boys	2	16.7	.....

TABLE IV*ff*—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Printing and binding	Helpers	9	9.3	.....
" " "	Janitor	1	33.3	.....
" " "	Linotype operators	13	12	.....
" " "	Machinists	2	5	.....
" " "	Packer	1	20	.....
" " "	Pressmen	101	8.8	.....
" " "	Pressman's assistant	1	10	.....
" " "	Reporters	20	24.7	.....
" " "	Ruler	1	20	.....
Pumps and water wheels	Core makers	10	2	.....
" " " "	Engineers	2	3	.....
" " " "	Finishers	8	2	.....
" " " "	Machinists	36	4	.....
" " " "	Molders	42	10	.....
" " " "	Pattern makers	2	12	.....
" " " "	Shipping clerks	3	4	.....
" " " "	Trimmers	2	8	.....
" " " "	Watchman	1	4	.....
Roofing (iron, steel and tin)	Laborers	3	10	.....
Rubber goods	Carpenters	22	7.2	.....
" "	Curers	34	12	.....
" "	Engineers	8	9.3	.....
" "	Firemen	28	7.6	.....
" "	Heaters	14	10	.....
" "	Laborers	1.490	5	.....
" "	Machinists	24	5.5	.....
" "	Machinists	4	.....	12.5
" "	Mill men	5	5	.....
" "	Pipe fitters	7	10	.....
" "	Repairers	12	10	.....
" "	Rubber workers	450	10	.....
" "	Rubber workers	50	.....	12.4
" "	Shipping clerks	3	.....	10
" "	Tire workers	458	10	.....
" "	Tire inspectors	3	10	.....
" "	Weigher	1	15	.....
" "	Wood workers	2	10	.....
Safes, vaults and locks	Blacksmiths	5	5	.....
" " " "	Cabinet makers	2	10	.....
" " " "	Constructors	9	8	.....
" " " "	Deposit-box makers	4	5	.....
" " " "	Door fitters	2	5	.....
" " " "	Drill-press hands	8	5	.....
" " " "	Engineers	2	6.5	.....
" " " "	Erectors	2	5	.....
" " " "	Fire-proof department hands	5	5	.....
" " " "	Foremen	5	5	.....
" " " "	Helpers	8	5	.....
" " " "	Lathe hands	4	5	.....
" " " "	Laborers	11	5	.....
" " " "	Locksmiths	5	5	.....
" " " "	Painters	6	5	.....
" " " "	Planers	9	5	.....
" " " "	Polishers and platers	4	5	.....
" " " "	Straighteners	2	5	.....
Sash, doors, lumber and interior finish	Blacksmith	1	6.7	.....
" " " " " "	Cabinet makers	4	16.6	.....
" " " " " "	Carpenters	307	12.3	.....
" " " " " "	Choppers	3	30	.....
" " " " " "	Cutters	2	20	.....
" " " " " "	Gluers	20	5	.....
" " " " " "	Enamelers	12	50	.....
" " " " " "	Engineers	16	8.7	.....
" " " " " "	Engineer	1	.....	10
" " " " " "	Firemen	2	7.5	.....
" " " " " "	Foremen	15	10.4	.....
" " " " " "	Helpers	65	8	.....
" " " " " "	Laborers	152	12.3	.....
" " " " " "	Lumber pilers	2	2	.....
" " " " " "	Machine hands	191	9.1	.....
" " " " " "	Machine hands	7	.....	5
" " " " " "	Mill hands	74	15.8	.....

TABLE IV*ff*—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Sash, doors, lumber and interior finish	Painters	5	9	.....
" " " " " "	Piece workers	8	5	.....
" " " " " "	Sawyers	29	13.8	.....
" " " " " "	Shipping clerk	1	10	.....
" " " " " "	Stair builder	1	10	.....
" " " " " "	Teamsters	58	12.92	.....
" " " " " "	Turner	1	10	.....
" " " " " "	Watchmen	4	10	.....
" " " " " "	Wood workers	21	10	.....
" " " " " "	Yard men	46	13.8	.....
Soap, candles and tallow	Cutters	2	5	.....
" " " "	Laborers	1	5	.....
" " " "	Laborers	2	.....	10
" " " "	Presser	1	5	.....
" " " "	Soap boiler	1	5	.....
Soda and mineral waters	Bottlers	4	18.3	.....
" " " "	Bottle washers	5	15.8	.....
" " " "	Drivers	7	9	.....
" " " "	Hostler	1	15	.....
" " " "	Laborers	6	16	.....
" " " "	Watchman	1	10	.....
Steel, iron and tin	Blacksmiths	4	14.9	.....
" " " "	Blacksmiths' helpers	3	11.8	.....
" " " "	Bottom makers	2	.....	3.6
" " " "	Bottom makers' helpers	2	.....	3.6
" " " "	Brick masons	3	.....	7
" " " "	Cagers	8	13.6	.....
" " " "	Catchers	131	.....	8.8
" " " "	Carpenter	1	.....	8.3
" " " "	Cinder men	15	13.6	.....
" " " "	Coal passer	2	.....	10
" " " "	Cold rollers	33	31.1	.....
" " " "	Crane men	5	15.7	.....
" " " "	Doublers	105	8.6	.....
" " " "	Doublers	24	.....	10
" " " "	Engineers	20	7.1	.....
" " " "	Fillers	118	13.9	.....
" " " "	Finishers	2	.....	4
" " " "	Firemen	25	8.4	.....
" " " "	Foremen	8	12.1	.....
" " " "	Heaters	183	9.1	.....
" " " "	Heaters	74	.....	3.8
" " " "	Heaters' helpers	114	.....	2.1
" " " "	Helpers	34	14.9	.....
" " " "	Helpers	3	.....	4
" " " "	Hook-ups	2	.....	6
" " " "	Hot-mill men	2	12.5	.....
" " " "	Iron breakers	20	9	.....
" " " "	Iron carriers	18	12.5	.....
" " " "	Keepers	10	12	.....
" " " "	Laborers	282	17.2	.....
" " " "	Laborers	135	.....	1
" " " "	Loaders	45	12.5	.....
" " " "	Machinist	1	12.5	.....
" " " "	Machinists	2	.....	12.5
" " " "	Manipulators	2	33	.....
" " " "	Miners	35	15	.....
" " " "	Miscellaneous labor	97	.....	2
" " " "	Openers	8	8.6	.....
" " " "	Openers	12	.....	10
" " " "	Pair heaters	12	.....	10
" " " "	Picklers	61	6.8	.....
" " " "	Puddlers	230	.....	2.1
" " " "	Puddlers' helpers	301	.....	2.3
" " " "	Railway employes	3	13.7	.....
" " " "	Rollers	105	8.6	.....
" " " "	Rollers	56	.....	4.1
" " " "	Roll turners	3	30.1	.....
" " " "	Roughers	145	.....	3.5
" " " "	Scrappers	15	.....	6
" " " "	Scrappers' helpers	30	.....	6

TABLE IV*ff*—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Steel, iron and tin	Screw boys	105	8.6	.....
" " " "	Shear men	53	8.3	.....
" " " "	Shipping clerk	1	25	.....
" " " "	Stove tenders	4	14	.....
" " " "	Straighteners	4	.....	4
" " " "	Stranders	124	.....	2
" " " "	Teamsters	11	15	.....
" " " "	Watchman	1	.....	10
" " " "	Weighers	2	7.1	.....
" " " "	Wrenchers	2	50	.....
Stone (cut, sawed and artificial)	Crusher feeders	2	12.5	.....
" " " " "	Engineers	2	5	.....
" " " " "	Engineers	2	.....	10
" " " " "	Quarry men	7	16	.....
" " " " "	Teamsters	4	14.5	.....
Stoves, ranges and furnaces	Apprentices	4	13	.....
" " " "	Blacksmiths	2	20	.....
" " " "	Cupola men	3	20	.....
" " " "	Engineer	1	14	.....
" " " "	Fireman	1	4	.....
" " " "	Helpers	18	15	.....
" " " "	Laborers	38	9.4	.....
" " " "	Machinists	59	8.4	.....
" " " "	Molders	298	6.4	.....
" " " "	Molders' apprentices	15	8	.....
" " " "	Mounters	83	3.1	.....
" " " "	Mounters' apprentices	4	10	.....
" " " "	Pattern makers	17	1.5	.....
" " " "	Platers	40	5	.....
" " " "	Polishers	10	5	.....
" " " "	Shipping clerk	1	5	.....
" " " "	Stove makers	20	15	.....
" " " "	Tinners	2	5	.....
" " " "	Watchman	1	5	.....
Strawboards and paper	Back tenders	6	11.1	.....
" " "	Beatermen	30	3.5	.....
" " "	Beatermen's helpers	2	10	.....
" " "	Blacksmith	1	10	.....
" " "	Carpenters	5	8	.....
" " "	Cutters	2	10	.....
" " "	Cutter boys	3	2	.....
" " "	Dumpers	2	10	.....
" " "	Engineers	8	11.2	.....
" " "	Finishers	11	17	.....
" " "	Finishers	20	.....	12
" " "	Firemen	7	10	.....
" " "	Laborers	137	4.2	.....
" " "	Lay boys	6	16.7	.....
" " "	Lime slackers	2	8	.....
" " "	Machine tenders	24	6.5	.....
" " "	Millwright	1	10	.....
" " "	Millwrights	13	.....	11
" " "	Millwright's assistant	1	14	.....
" " "	Pulp grinders	6	.....	7
" " "	Rotary men	17	5	.....
" " "	Saw filer	1	8	.....
" " "	Sheet lime men	4	10	.....
" " "	Sorters	4	.....	7
" " "	Stockmen	3	10	.....
" " "	Teamsters	40	5.6	.....
" " "	Warehouse men	2	10	.....
" " "	Watchmen	6	10.4	.....
" " "	Water tenders	2	10	.....
" " "	Yard men	7	5	.....
Sucker rods	Mechanics	14	.....	10
Tinware, sheet-iron and galvanized ironware	Engineers	3	12.6	.....
" " " " "	Laborers	27	6.7	.....
" " " " "	Laborer (boy	1	10	.....
" " " " "	Packers	3	.....	10
" " " " "	Pressmen	13	7	.....
" " " " "	Roofers	5	10	.....

TABLE IVff—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Tinware, sheet-iron and galvanized ironware	Tinners	8	15.6	.....
" " " " "	Tinners' helper	1	10	.....
" " " " "	Turners	2	2.5	.....
Tobacco (chewing and smoking)	Elevator hands	2	5	.....
" " " "	Millers	11	10	.....
" " " "	Packers	25	5	.....
" " " "	Shakers	4	.....	10
Tools	Blacksmiths	2	17.5	.....
"	Engineer	1	17.5	.....
"	Firemen	2	15	.....
"	Grinders	11	17.5	.....
"	Hoe makers	12	17.5	.....
"	Laborers	40	14.4	.....
"	Laborers	2	.....	10
"	Machine hands	30	17.5	.....
"	Machinists	46	10.3	.....
"	Molders	10	10	.....
"	Packers	10	17.5	.....
"	Plane makers	18	17.5	.....
"	Polishers	6	17.5	.....
"	Turners	2	17.5	.....
Wire rods, wire cloth and wire goods	Teamster	1	12.5	.....
Miscellaneous	Bread-board makers	4	10	.....
"	Buffers	6	22	.....
"	Carpenters	19	19.5	.....
"	Cutter	1	10	.....
"	Engineer	1	1.5	.....
"	Filers	4	30	.....
"	Finishers	22	2.2	.....
"	Fireman	1	5	.....
"	Helpers	8	11	.....
"	Laborers	61	92	.....
"	Machine man	1	12	.....
"	Machinist	1	22	.....
"	Plater	1	32	.....
"	Polisher	10	.5	.....
"	Shipping clerks	3	1.5	.....
"	Shredder (boy)	1	10	.....
"	Turners	15	1	.....
"	Vulcanizers	2	20	.....
"	Watchman	1	10	.....
Totals and averages	.....	18,767	7.5	.....
	.....	2,112	.....	4.

TABLE IVff—MANUFACTURES—CITIES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employes.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs	Laborers	16	5	.....
" " " "	Leather workers	38	7.8	.....
" " " "	Novelty workers	51	5	.....
" " " "	Pasters	12	12	.....
" " " "	Sewers	10	12	.....
" " " "	Sign makers	120	10	.....
Boots and shoes	Cutters	5	7 5	.....
" " "	Fitters	24	5.5	.....
" " "	Packers	8	2	.....
" " "	Stitchers	30	5	.....
Boxes (paper)	Cutters	28	5	.....
" "	Laborers	45	5	.....
" "	Piece workers	12	5	.....
Boxes (wooden)	Forewoman	1	25	.....
Bread and other bakery products	Bakers	2	20	.....
" " " " "	Foreman	1	17	.....
" " " " "	Laborers	4	20.7	....
" " " " "	Saleswoman	1	10	.....
" " " " "	Saleswoman	1	.....	25
Brick and tile	Assorters	6	3.3	.....
" " "	Designers	4	8	.....
" " "	Pasters	25	3	.....
" " "	Pressers	15	3	.....
Canned goods	Assorters	35	10	.....
" "	Laborers	214	7	.....
Carriage and wagon materials	Machine operators	35	7.2	.....
" " " "	Upholsterers	3	10	.....
" " " "	Winders	6	10	.....
Cigars	Banders	6	25	.....
"	Packers	20	25	.....
"	Rollers	166	20.2	.....
"	Strippers	2	25	.....
Clothing	Forewomen	2	5	.....
"	Forewomen's assistants	2	10	.....
"	Machine operator	1	10	.....
"	Seamstresses	256	3.5	.....
"	Stock workers	20	25	....
"	Tailoresses	33	12.4	.....
"	Tailoress	1	.....	10
"	Trousers makers	28	11.1	.....
"	Vest makers	27	10	.....
Cordage and twine	Preparers	18	20	.....
Cotton & woolen goods (knit & woven)	Pickers	15	43	.....
" " " " "	Weavers	25	30	.....
Drugs, chemicals & druggists' sundries	Laborers	2	10	.....
" " " " "	Saleswomen	5	15	.....
Electrical goods and supplies	Lamp makers	110	1	.....
" " " "	Sorters	9	20	.....
Extracts, toilet articles and perfumery	Forewoman	1	2	.....
" " " " "	Laborers	12	2	.....
Furniture	Chair caners	25	5	.....
Glass and glassware	Cartooners	7	24	.....
" " "	Cutters	5	5	.....
" " "	Etchers	14	50	.....
" " "	Glass washers	6	5	.....
" " "	Grinders	6	3	.....
" " "	Lehr inspector	1	23.8	.....
" " "	Melters	7	20	.....
" " "	Sorters	7	23.8	.....
" " "	Wrappers	18	17.7	.....
Hardware	Packers	2	6	.....
Jewelry and watches	Finishers	10	3.6	.....
" " "	Inspectors	3	3.6	.....
" " "	Jointers	6	3.6	.....
" " "	Polishers	12	3.6	.....
" " "	Spring workers	3	3.6	.....
Pottery and stoneware	Bisque department hands	37	8.4	.....
" " "	Dippers	2	3.3	.....
" " "	Decorators	70	7.5	.....
" " "	Drawers	4	9.5	.....
" " "	Glost department hands	8	5	.....
" " "	Laborers	40	10	.....

TABLE IV*ff*—MANUFACTURES—CITIES—Concluded.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employes.	Advanced per cent.	Reduced per cent.
Pottery and stoneware	Kiln workers	15	10	.....
" " "	Turners	3	10	.....
" " "	Ware-room employes	27	10	.....
Printing and binding	Apprentices	4	19.5	.....
" " "	Binders	7	23.5	.....
" " "	Compositors	48	17	.....
" " "	Feeders	9	16.6	.....
" " "	Folders	2	50	.....
" " "	Gummers	2	10	.....
" " "	Linotype operator	1	12	.....
" " "	Reporters	4	25.9	.....
Rubber goods	Curer	1	9	.....
" "	Laborers	260	5	.....
" "	Rubber workers	10	7.5	.....
" "	Rubber workers	47	14.2	.....
" "	Tire makers	39	10	.....
Sash, doors, lumber and interior finish	Enamelers	16	10	.....
Strawboards and paper	Finishers	15	.....	6
" " "	Sorters	4	7	.....
Miscellaneous	Laborers	5	25	.....
"	Packers	6	.....	6
Totals and averages		2,298	9.5	.....
		23	.....	6.5

TABLE IVg—MANUFACTURES—VILLAGES.

ADVERTISING NOVELTIES AND SIGNS—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Compositor	1	292	$1 75	$511 00	10
Engraver	1	292	2 50	730 00	10
Envelope maker	1	292	3 00	876 00	10
Laborers	6	298	1 58	470 84	10
Painters	4	140	3 00	420 00	9
Pressmen	2	292	1 75	511 00	10
AGRICULTURAL IMPLEMENTS—18 ESTABLISHMENTS.					
Apprentices	4	277	79	218 83	8.9
Blacksmiths	81	293	1 70	498 10	9.9
Brush maker	1	240	1 50	360 00	10
Carpenter	1	303	2 00	606 00	10
Drillers	2	300	1 50	450 00	10
Engineers	7	234	2 05	479 70	9.6
Ferule department hands	8	269	1 59	427 71	10
Finishers	3	220	2 25	495 00	10
Forge department hands	23	220	2 29	503 80	8.5
Foremen	4	160	2 00	320 00	9.5
Grinders	35	297	2 26	671 22	8.5
Handle department hands	21	291	1 39	402 49	10
Harrow makers	8	298	1 70	506 60	10
Helper	1	300	1 35	405 00	10
Laborers	203	296	1 41	417 36	10
Machine hands	52	299	2 11	630 89	9.2
Machinists	106	281	1 78	500 18	9.7
Malleable workers	12	300	1 10	330 00	10
Mechanics	8	196	1 25	245 00	10
Molders	79	267	1 99	531 33	9.4
Painters	44	289	1 63	531 07	9.8
Pattern makers	6	291	2 30	669 30	9.8
Polishers	25	276	1 77	488 52	9.4
Rake department hands	8	298	1 45	432 10	10
Setters-up	34	294	1 53	449 82	9.8
Shipping clerk	1	286	2 00	572 00	9.5
Teamsters	2	284	1 50	426 00	9
Temperers	10	298	3 12	929 76	9
Tinner	1	240	1 67	400 80	10
Watchman	1	286	1 50	429 00	10
Woodworkers	57	268	1 73	463 64	10
BASKETS—6 ESTABLISHMENTS.					
Basket makers	27	300	1 35	405 00	10
Clipper	1	80	2 00	160 00	10
Crate makers	4	300	2 00	600 00	10
Engineers	2	103	2 25	231 75	10
Fireman	1	127	2 00	254 00	10
Foreman	1	127	1 75	222 25	10
Laborers	56	173	1 31	226 63	10
Laborers (boys)	5	300	50	150 00	10
Log peelers	2	127	1 50	190 50	10
Machine hands	3	300	1 25	375 00	10
Machinist	1	80	2 13	170 40	10
Nailers	20	201	1 80	371 80	10
Sawyers	2	103	1 75	180 25	10
Veneerers	3	175	2 56	448 00	10
Willow worker	1	200	1 50	300 00	10
BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—4 ESTABLISHMENTS.					
Assemblers	8	228	2 10	478 80	9
Blacksmiths	5	228	1 60	364 80	9
Carpenters	2	228	1 75	499 00	9
Engineers	2	228	2 00	456 00	9
Laborers	42	273	1 61	439 53	9.6
Machinists	49	262	2 35	615 70	9.6
Operators	8	228	2 00	456 00	9
Painters	6	245	1 95	477 75	9.3
Tinner	1	280	2 00	560 00	10
Trimmers	2	228	2 25	503 00	9

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

BILLIARD TABLES, BAR AND STORE FIXTURES—7 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cabinet makers	17	278	$1 88	$522 64	10
Cabinet makers' helpers	8	300	2 00	600 00	10
Coffee mill makers	3	300	1 50	450 00	10
Coffee mill makers' helpers	8	300	1 25	375 00	10
Engineers	2	250	1 88	470 00	10
Finishers	3	236	1 50	354 00	10
Foremen	7	300	2 32	696 00	10
Glazier	1	310	1 50	465 00	10
Laborers	48	267	1 49	397 83	10
Machine hands	4	200	1 75	350 00	10
Offbearers	5	300	75	225 00	10
Packers	4	300	1 25	375 00	10
Porter	1	300	1 25	375 00	10
Shipper	1	200	1 35	270 00	10
Table worker	1	310	1 67	517 70	10
Varnishers	6	298	1 72	512 56	10
Varnishers' helpers (boys)	8	300	80	240 00	10
Watchman	1	300	1 15	345 00	10
Woodworkers	16	299	1 75	453 25	10
Yard men	3	300	1 75	525 00	10
BOILERS, ENGINES AND TANKS—15 ESTABLISHMENTS.					
Apprentices	53	304	1 01	307 04	10
Blacksmiths	21	299	2 59	774 41	10
Blacksmiths' helpers	2	310	1 75	542 50	10
Boiler makers	61	287	2 41	691 67	10
Boiler makers' helpers	11	304	2 12	644 48	10
Core makers	5	305	2 53	771 65	10
Carpenters and painters	21	305	2 22	677 10	10
Drill pressmen	4	295	1 25	368 75	10
Engineers	5	262	2 00	524 00	10
Helpers	110	297	1 64	489 18	9.8
Laborers	338	232	1 47	341 04	9.9
Laborers (boys)	2	300	1 00	300 00	10
Machinists	142	300	2 51	753 00	9.8
Machinists' helpers	345	304	1 76	535 04	10
Molders	102	304	2 87	872 48	9.9
Molders' helpers	12	300	2 50	750 00	9.5
Painters	2	300	1 75	525 00	10
Pattern makers	9	302	2 95	899 90	10
Plate workers	12	308	2 75	847 00	9
Rivet heaters	12	287	1 62	464 92	9.6
Sheet-iron workers	30	299	2 64	789 36	10
Teamsters	4	305	3 17	966 85	10
Woodworkers	6	300	2 00	600 00	10
BOOTS AND SHOES—3 ESTABLISHMENTS.					
Bottomers	12	291	98	285 18	10
Cutters	11	277	1 35	373 95	10
Finishers	5	291	67	194 97	10
Fitters	3	260	1 15	299 00	9.5
Lasters	11	291	80	232 80	10
Packers	10	291	37	107 67	10
Shoemakers	25	262	1 00	262 00	10
Stock room workers	5	291	85	247 35	10
BOXES (WOODEN)—6 ESTABLISHMENTS.					
Bender	1	144	1 75	252 00	10
Cutter	1	250	1 66	415 00	9
Engineers	3	194	2 21	428 74	10.1
Fireman	1	148	1 50	222 00	10.5
Finishers	10	292	75	219 00	10
Foremen	2	216	2 01	434 16	10.2

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

BOXES (WOODEN)—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Laborers	31	239	$1 34	$320 26	10.1
Machine operator	1	144	1 75	252 00	10
Matcher	1	144	1 25	180 00	10
Nailers	6	160	2 12	179 20	10.1
Printers	2	192	1 12	234 24	9
Sawyers	8	158	1 58	249 66	10.2
Teamsters	2	148	1 67	247 16	10.5
Watchman	1	148	1 67	247 16	10.5
BREAD AND OTHER BAKERY PRODUCTS—59 ESTABLISHMENTS.					
Apprentice	1	300	83	249 00	10
Bakers	65	300	1 71	513 00	9.4
Clerks	8	324	1 10	356 40	11.6
Drivers	12	278	1 56	433 68	9
Fireman	1	250	1 50	375 00	10
Foreman	1	313	2 87	898 31	11
Helpers	15	285	85	242 25	9.4
Host ers	2	623	50	311 50	16.5
BRICK AND TILE—222 ESTABLISHMENTS.					
Blacksmiths	5	266	2 26	601 16	9.8
Brakemen	2	241	1 75	421 75	10
Brancher	1	295	2 30	678 50	7
Brickmakers	503	276	1 53	422 28	10
Bricklayers	8	285	4 00	1,140 00	8
Brick masons	10	193	3 16	609 88	9.7
Brick and tile makers	133	297	1 50	445 50	10
Brick tenders	4	365	1 50	547 50	10
Burners	160	264	1 96	517 64	11.4
Burners' assistants	5	285	1 74	495 90	12
Carpenters	22	276	1 91	527 16	9.3
Carriers	15	245	1 29	316 05	10
Cartmen	17	247	1 55	382 85	9 8
Clay miners	290	262	1 82	476 84	9.3
Coal miners	125	245	2 48	607 60	8.2
Core maker	1	303	2 00	606 00	10
Crushermen	4	309	1 65	509 85	10
Cut-off	9	144	1 47	211 68	10
Draughtsman	1	303	1 75	530 25	10
Drawers	43	251	1 71	429 21	10
Dressers	6	313	1 75	547 75	10
Dryers	13	232	1 54	357 28	11.5
Drum man	1	300	1 65	495 00	9
Dumpers	6	196	1 55	303 80	9.6
Elevator man	1	150	1 25	187 50	10
Engineers	109	222	1 94	430 68	10
Feeders	7	249	1 71	425 79	10
Firemen	91	274	1 62	443 88	10.5
Foremen	16	248	2 21	548 48	9
Foreman's assistant	1	251	2 00	502 00	10
Grinders	14	302	1 53	462 06	10
Hackers	3	172	1 32	227 04	10
Helpers	3	182	2 00	364 00	8.5
Hoister	1	167	1 50	250 50	10
Hostlers	2	304	1 72	522 88	11
Kiln hands	11	258	1 89	507 62	9.5
Laborers	3,100	251	1 54	386 54	10
Laborers (boys)	7	270	90	243 00	10
Loaders	70	245	1 70	416 50	10
Machine hands	76	251	1 64	411 64	9.8
Machinists	36	258	1 98	510 84	10
Machine filler	9	151	1 34	202 34	10
Miners	74	269	2 19	589 11	8.3
Mixer	1	313	2 00	626 00	10

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

BRIC AND TILE—222 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Molders	66	261	$1 92	$501 12	9
Off-leavers	45	242	1 26	304 92	10
Packers	3	309	1 65	509 85	10
Pallette man	1	150	1 00	150 00	10
Pan men	28	264	1 60	422 40	10
Pilers	2	365	1 40	511 00	7.5
Pitchers	14	285	1 65	470 25	10
Pitmen	14	186	1 39	258 54	10
Pressmen	70	250	1 56	390 00	9.8
Pressmen's helpers	28	286	1 57	449 02	10
Poggers	3	217	1 63	353 71	10
Pullers	8	241	2 00	482 00	10
Pump man	1	275	1 75	481 25	10
Rackers	2	303	1 50	454 50	10
Repairers	6	291	1 56	453 96	10
Sanders	5	156	1 47	229 32	10
Screen tenders	6	293	1 31	383 83	10
Setters	135	256	1 94	496 64	9.8
Setters and catchers	5	250	1 60	400 00	10
Setters and wheelers	8	298	1 75	521 50	8
Shaders	3	290	1 87	542 30	10
Shooters	4	241	2 00	482 00	10
Shovelers	67	196	1 46	286 16	9.6
Sorters	22	329	1 60	526 40	10
Strikers	2	245	1 55	379 75	10
Table men	3	210	1 50	315 00	10
Teamsters	45	272	1 79	486 88	9.5
Temperers	17	182	1 47	267 54	9.3
Temperers' helper	1	308	1 40	431 20	10
Tile makers	121	164	1 40	329 60	9.8
Tossers	4	307	1 32	405 24	10
Trackmen	4	241	1 75	421 75	10
Transfer men	12	255	1 40	357 00	10
Trimmers	3	170	85	144 50	10
Truckers	55	199	1 31	260 69	9.9
Watchmen	8	305	1 62	494 10	10.1
Weighmaster	1	260	6 65	1,729 00	8
Wheelers	230	260	1 54	400 40	9
Woodworkers	10	303	2 10	636 30	10
Yardmen	65	232	1 50	348 00	9.9
BROOMS AND BRUSHES—7 ESTABLISHMENTS.					
Assorters	5	201	1 05	211 05	10
Broom makers	19	278	1 75	486 50	10
Engineers	2	235	1 37	321 95	10
Handle maker	1	270	1 00	270 00	10
Laborers	10	256	1 02	261 12	10
Laborer (boy)	1	300	60	180 00	10
Scrapers	2	270	1 00	270 00	10
Sewers	6	219	1 85	405 15	9.3
Sizers	4	270	75	202 50	10
Tyers	16	230	1 91	439 30	9.7
Tyers' assistant	1	201	1 25	251 25	10
CANNED GOODS—21 ESTABLISHMENTS.					
Canners	40	68	1 43	97 24	7.8
Cappers	18	108	1 50	162 00	10
Coopers	4	108	2 05	221 40	10
Engineers	3	70	2 13	149 10	10
Filler	1	300	1 25	375 00	10
Foreman	1	32	1 66	53 12	10
Huskers	20	32	1 50	48 00	10
Laborers	405	87	1 49	129 63	9.8
Loaders	4	108	1 50	162 00	10

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

CANNED GOODS—21 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machine hands	26	165	$ 1 98	$326 70	9.6
Packers	8	108	1 50	162 00	10
Processors	2	185	1 87	345 95	10
Scalder	1	300	1 25	375 00	10
Solderers	2	300	1 25	375 00	10
Sorter	1	300	1 25	375 00	10
Tippers and patchers	6	32	2 00	64 00	10
Waiters	2	300	1 25	375 00	10
CARRIAGES AND WAGONS—75 ESTABLISHMENTS.					
Apprentices	6	76	$1 63	$123 88	10
Blacksmiths	231	277	1 86	515 22	9.5
Blacksmiths' helpers	26	295	1 47	433 65	9.9
Bodymakers	7	247	1 65	407 55	10
Carver	1	76	4 50	342 00	10
Carver's assistant	1	76	2 50	190 00	10
Carriage makers	2	150	2 50	375 00	10
Craters	34	267	1 55	413 85	10
Engineers	4	234	2 18	510 12	10
Finishers	13	247	1 61	397 67	10
Gear hands	10	247	1 08	266 76	10
Harness maker	1	306	2 00	612 00	10
Helpers	11	256	1 20	307 20	10
Laborers	118	286	1 46	417 56	10
Machine hands	5	300	1 75	525 00	10
Machinist	1	300	3 75	1,125 00	10
Packers	8	274	1 79	490 46	10
Painters	265	270	1 69	456 30	9.5
Painters' helpers	22	287	2 34	384 58	9.9
Reed workers	3	310	1 40	434 00	10
Repository employes	2	252	3 00	756 00	10
Sawyer	1	76	1 75	133 00	10
Setters-up	3	300	1 50	450 00	10
Silver platers	2	76	1 75	133 00	10
Stickers	2	76	1 50	114 00	10
Stock hands	2	252	1 75	441 00	10
Teamster	1	295	1 50	442 50	10
Trimmers	156	273	1 93	526 89	9.4
Trimmers' helpers	23	285	1 16	330 60	9.2
Varnishers	3	76	2 25	171 00	10
Wagon makers	8	293	1 55	454 15	9.5
Watchmen	2	305	1 58	481 90	10
Welder	1	300	2 50	750 00	10
Wheel makers	15	300	2 00	600 00	10
Woodworkers	141	261	2 09	545 49	9.8
Woodworkers' helpers	9	273	1 39	379 47	10
Yardmen	2	300	1 75	525 00	10
CARRIAGE AND WAGON MATERIALS—17 ESTABLISHMENTS.					
Belters	9	281	1 60	429 60	10
Bench hands	2	290	1 65	478 50	10
Benders	22	279	1 41	393 39	9.8
Bevelers	24	281	1 45	407 45	9.8
Body makers	20	100	1 45	145 00	10
Blacksmiths	18	209	2 63	549 67	10
Cutters	4	306	1 65	504 90	10
Engineers	13	256	2 02	517 12	10
Filer	1	276	1 60	441 60	10
Finishers	34	308	1 71	526 68	10
Finishers and helpers	20	287	1 50	430 50	10
Firemen	11	277	1 67	462 59	9.9
Fitters	37	308	2 50	770 00	10
Forgers (axle)	31	308	2 50	770 00	10
Forgers (spring)	29	308	2 00	616 00	10

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

CARRIAGE AND WAGON MATERIAL—17 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foremen	9	274	$2 53	$693 22	9.5
Foreman's assistant	1	276	2 00	552 00	10
Grinders	16	308	3 00	924 00	10
Groovers	5	308	1 50	462 00	10
Hub workers	9	277	1 89	523 53	9
Inspectors	3	300	2 18	654 00	10
Iron workers	7	306	1 60	489 60	10
Laborers	134	252	1 40	352 80	9.7
Laborers (boys)	72	266	87	231 42	10
Machine hands	47	267	1 48	395 16	10
Machinists	36	134	1 79	239 86	10
Mechanics	3	287	2 25	645 75	10
Mechanics' helpers	3	287	2 00	574 00	10
Millwright	1	308	2 50	770 00	10
Moulders and planers	1	300	1 75	525 00	10
Packers	2	283	1 63	467 29	10
Painters	2	203	1 75	355 25	10
Pattern maker	1	276	1 60	441 60	10
Planers and sawyers	5	300	1 40	420 00	10
Polishers	10	308	2 00	616 00	10
Primer	1	279	1 50	418 50	9
Ramsmen	5	287	1 25	358 75	10
Rim benders	9	279	1 44	401 76	9
Sawyers	19	273	1 65	450 45	9.6
Spoke makers	23	281	1 54	432 74	9.3
Teamsters	12	266	1 57	417 62	10
Turners	14	287	2 43	697 41	10
Watchmen	5	285	1 52	433 20	10
Wheelmakers	24	277	1 50	415 50	10
Woodworkers	100	220	1 86	409 20	10
Yardmen	15	27	1 33	35 91	10
CARS AND CAR FURNISHINGS—2 ESTABLISHMENTS.					
Blacksmiths	9	303	2 43	736 29	9.8
Car builders	108	300	2 48	744 00	10
Carpenters	20	300	2 75	825 00	10
Engineer	1	310	2 00	620 00	9.5
Laborers	32	301	1 59	478 59	9.9
Machinists	6	302	2 12	640 24	9.9
Mill hands	30	300	2 75	825 00	10
Molders	3	310	3 00	930 00	9
Painters	30	300	2 50	750 00	10
CHURNS—2 ESTABLISHMENTS.					
Churn makers	6	302	1 75	528 50	10
Engineer	1	245	1 60	392 00	10
Handle belter	1	302	1 25	377 50	10
Handle turner	1	302	1 50	453 00	10
Laborers	7	302	1 25	377 50	10
Machine hands	16	266	1 44	383 04	9.7
Packers	2	302	1 50	453 00	10
Piece workers	6	245	2 00	490 00	9
Sawyers	3	302	1 50	453 00	10
Teamster	1	302	1 35	407 70	10
Teamsters (with team)	3	302	3 00	906 00	9
Varnishers	2	245	1 40	343 00	9.5
CIGARS—80 ESTABLISHMENTS.					
Apprentices	5	289	47	135 83	8.4
Bunchers	2	277	78	216 06	9
Cigar makers	165	271	1 81	490 51	8
Foreman	1	260	2 00	520 00	8
Laborers	2	281	70	196 70	9
Long fillers	2	280	90	252 00	10

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

CIGARS—80 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Packers	2	223	$2 00	$446 00	8
Rollers	29	247	1 22	301 34	8.6
Stemmers	2	276	62	171 12	9.5
Stockman	1	280	50	140 00	4
Stogie makers	74	293	1 82	533 26	9.5
Strippers	9	279	48	133 92	9
CLOTHING—58 ESTABLISHMENTS.					
Apprentices	4	288	80	230 40	9.5
Bushelman	1	311	2 00	622 00	10
Button riveter	1	300	1 25	375 00	9.5
Coat makers	51	298	2 12	631 76	11.5
Cutters	14	288	1 98	570 24	10
Cutters' assistant	1	280	1 16	324 80	10
Engineers	2	290	1 33	385 70	9.7
Folder	1	300	1 25	375 00	9.5
Inspector	1	300	1 25	375 00	9.5
Laborer	1	306	1 75	535 50	9
Machine operators	2	300	1 25	375 00	9.5
Packer	1	300	2 00	600 00	9.5
Pressers	5	276	1 29	356 04	10
Tailors	31	270	2 10	567 00	9.7
Trouser makers	5	303	1 52	460 56	9.6
Vest maker	1	312	2 00	624 00	10
Watchman	1	300	1 00	300 00	9.5
COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.					
Laborer	1	35	1 50	52 50	10
Mixers and roasters	2	210	1 75	367 50	9
Packers and labelers	3	210	1 50	315 00	9
Roaster	1	24	1 50	36 00	8
CONFECTIONERY—2 ESTABLISHMENTS.					
Candy makers	2	182	1 50	273 00	10
Ice cream maker	1	210	1 50	315 00	12
Laborer	1	210	1 50	315 00	10
COOPERAGE—36 ESTABLISHMENTS.					
Bolt men	43	293	1 75	513 75	10
Bolt pullers	26	300	1 62	326 00	10
Box fillers	15	285	1 53	436 05	9.9
Buyers	2	240	2 00	480 00	10
Carriers	2	189	1 45	274 05	9.5
Coilers	18	170	2 12	360 40	10
Coilers' helper	1	200	1 55	310 00	10
Coopers	59	263	1 41	370 82	9.5
Cull carriers	13	300	1 25	375 00	10
Cullers	23	229	1 65	377 85	9
Cutters	35	209	2 24	468 16	10
Edger	1	200	1 35	270 00	10
Engineers	35	229	1 81	414 49	10.5
Equalizers	15	288	1 71	348 48	9.9
Firemen	25	230	1 57	361 10	10
Foremen	10	152	2 52	383 04	10
Fuel boy	1	275	1 00	275 00	10
Hoop maker	1	181	2 00	362 00	10
Inspector	1	275	1 50	412 50	10
Jointers	103	286	1 54	440 44	10
Laborers	328	134	1 43	191 62	10
Lappers	6	164	1 68	275 52	10
Lappers' helper	1	200	90	180 00	10
Log man	1	200	1 35	270 00	10

TABLE IV*g*—MANUFACTURES—VILLAGES—Continued.

COOPERAGE—36 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Machine hands	47	213	$1 92	$ 409 06	9.6
Mill hands	34	273	1 52	414 96	9.8
Off leavers	6	233	1 27	295 91	10
Packer	1	120	1 25	150 00	10
Pilers	5	177	1 70	300 90	9.5
Planers	9	202	1 32	266 64	10
Planers (boys)	7	110	1 05	115 50	9.8
Pointers	2	88	1 32	116 16	10
Pullers (bolt)	2	228	1 75	399 00	10
Pullers (box)	2	149	1 50	223 50	9
Pullers (plank)	2	175	1 67	292 25	10
Sawyers	62	230	1 73	397 90	9.9
Sawyers' helper	1	149	1 50	223 50	9
Setters	3	208	1 36	282 88	9.6
Shavers	2	275	1 25	343 75	10
Skidder	1	228	1 75	399 00	10
Stave department hands	5	300	4 00	1,200 00	10
Tank man	1	79	1 25	98 75	10
Teamsters	115	260	1 51	392 60	10
Teamsters (with team)	14	175	3 89	680 75	9.8
Trolley men	15	285	1 52	433 20	9.9
Turner	1	149	2 50	372 50	9
Watchmen	7	196	1 50	294 00	11.7
Woodworkers	30	170	1 60	272 00	10
Yardmen	8	261	1 52	244 72	10
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—14 ESTABLISHMENTS.					
Carders	29	276	1 18	325 68	10
Card tender	1	300	85	255 00	10
Cutters	3	306	1 25	382 50	10
Dyers	49	330	1 49	491 70	10
Dyer and finisher	1	55	2 00	110 00	11
Engineers	7	248	1 99	493 52	8.7
Framers	5	300	75	225 00	10
Finishers	45	291	1 23	357 93	10
Fireman	1	306	1 50	459 00	10
Foreman	1	300	3 33	999 00	10
Fuller	1	300	1 40	420 00	10
Helpers	2	273	1 00	273 00	10
Knitters	21	279	1 05	292 95	9.8
Laborers	2	309	1 58	488 22	10
Loom foremen	2	303	2 63	796 89	10
Loom fixer	1	245	1 50	367 50	10
Machinist	8	299	2 12	633 88	10
Napper	1	306	1 50	459 00	10
Overseers	2	300	1 80	540 00	10
Packers	4	304	1 30	395 20	10
Pickers	20	295	98	289 10	10
Porter	1	300	1 50	450 00	10
Pressman	1	306	1 50	459 00	10
Sorters	6	289	1 27	367 03	10
Spinners	35	287	91	261 17	9.4
Twister	1	55	75	41 25	11
Watchman	1	306	1 50	459 00	10
Weavers	11	287	1 48	424 76	10
Winders	4	300	60	180 00	10
Wool washer	1	300	1 35	405 00	10
DAIRY PRODUCTS—55 ESTABLISHMENTS.					
Butter makers	44	284	1 96	556 64	9.2
Cheese makers	14	257	1 76	452 32	10.2
Condensed milk maker	1	312	2 50	780 00	8
Creamery helpers	27	307	1 11	340 77	8.6

TABLE IV*g*—MANUFACTURES—VILLAGES—Continued.

DAIRY PRODUCTS—55 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Engineers	3	270	$1 50	$ 405 00	10
Foremen	3	248	2 14	530 72	10
Helpers	2	303	1 75	530 25	10
Ice cream maker	1	365	2 50	912 50	10
Laborers	19	210	1 50	315 00	10
Pasteurizer	1	365	1 25	456 25	10
Skim station operators	27	333	1 68	559 44	10
Teamsters	39	277	1 54	272 58	8.4
Tester	1	300	1 25	375 00	6
Weigher	3	322	1 05	338 10	8
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—11 ESTABLISHMENTS.					
Advertising department hands	2	310	63	195 30	9.5
Boiler makers	6	306	2 15	657 90	10
Bottle washer	1	304	75	228 00	8.5
Carpenter	4	306	2 50	765 00	10
Chemists	3	110	1 92	211 20	10
Compounder	1	303	4 25	1,287 75	10
Engineers	7	304	2 26	687 04	11
Fireman	1	290	1 35	391 50	8
Foreman	1	290	2 00	580 00	8
Laborers	363	306	1 16	354 96	11.6
Machinists	18	306	2 27	694 62	10
Potash maker	1	150	1 50	225 00	10
Steam fitters	8	306	2 07	633 42	10
Teamsters	2	150	1 50	225 00	10
ELECTRICAL GOODS AND SUPPLIES—7 ESTABLISHMENTS.					
Blacksmith	1	283	3 50	990 50	10
Burner	1	297	3 00	891 00	10
Carbon molders	10	298	1 75	521 50	10
Carpenters	1	283	2 25	636 75	10
Engineers	2	291	2 00	582 00	10
Finishers	4	292	1 77	516 84	10
Foremen	2	300	2 50	750 00	10
Furnace men	2	283	3 50	990 50	10
Glass workers	60	283	3 45	976 35	9
Glass workers (boys)	67	283	85	240 55	9
Grinders	14	283	2 00	566 00	10
Insulator makers	30	275	1 60	440 00	10
Kilns hands	4	275	1 60	440 00	10
Laborers	59	286	1 60	457 60	10
Machinists	4	304	1 62	492 48	10
Mechanics	5	292	2 72	794 24	10
Melter	1	306	1 50	459 00	10
Molder	1	306	1 83	559 98	10
Mold maker	1	283	5 00	1,415 00	10
Packers	9	280	2 03	568 40	10
Pump room employes	1	292	3 00	786 00	10
FIREWORKS—2 ESTABLISHMENTS.					
Carpenters	2	287	2 50	717 50	9.2
Chargers	30	280	1 52	273 60	9.3
Case makers	13	280	1 45	406 00	9.3
Drivers	3	280	1 47	411 60	9.7
Engineer	1	275	1 50	412 50	11.2
Finishers	20	286	1 12	320 32	9.1
Laborers	14	275	1 33	365 75	9.5
Mixers	4	288	1 56	449 28	9.2
Packers	2	275	1 75	481 25	9.5
Paper cutter	1	275	1 67	469 25	9.5
Star makers	4	275	1 50	412 50	9.5
Watchmen	2	288	1 56	449 28	11

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

FLOURING MILL PRODUCTS—243 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	4	309	$1 31	$404 79	10.5
Chopper	1	306	1 50	459 00	12
Clerk	1	250	1 25	312 50	10
Coopers	17	280	1 50	420 00	10
Electrician	1	300	2 50	750 00	10
Elevator men	7	245	1 84	450 80	10
Engineers	171	277	1 59	440 43	11
Firemen	13	266	1 41	375 06	10.1
Floormen	10	275	1 47	404 25	8
Foremen	2	213	2 00	426 00	10
Helpers	4	175	1 32	231 00	10
Laborers	216	281	1 41	396 21	10
Millers	292	272	1 83	497 76	11
Millers' helper	1	300	1 75	525 00	10
Oiler	1	300	1 50	450 00	10
Packers	56	265	1 55	410 75	10.5
Shipper	1	300	1 50	450 00	10
Spoutmen	2	227	1 75	397 25	12
Sweepers	5	278	1 32	366 96	10
Teamsters	90	230	1 20	276 00	10
Teamster (with team)	1	310	3 00	930 00	5
Trackmen	3	227	1 50	340 50	10
Warehouse men	6	301	1 30	391 30	10
Weighmasters	3	280	1 34	375 20	10

FOUNDRY AND MACHINE SHOP PRODUCTS—64 ESTABLISHMENTS.

Apprentices	30	261	76	198 36	9.9
Assembler	1	282	1 50	423 00	9
Bench hands	5	300	1 35	405 00	10
Blacksmiths	59	294	2 18	640 92	9.8
Blacksmiths and helpers	2	100	1 60	160 00	9.5
Blacksmith's helpers	13	243	1 48	359 64	9.7
Boiler makers	7	301	2 18	656 18	9.7
Brass worker	1	100	1 55	155 00	9.5
Car builders	10	295	1 80	531 00	9.7
Carpenters	48	297	1 85	549 45	9.7
Chain makers	43	273	1 68	458 64	8
Cleaners	99	294	1 52	446 88	10
Constructors	10	308	1 60	492 80	10
Core makers	55	253	1 74	440 22	10
Core makers' helper	1	75	1 50	112 50	10
Cupola men	7	240	1 53	367 20	9.3
Drillers	8	267	1 62	432 54	9.7
Draughtsmen	2	300	1 67	501 00	9
Electricians	34	288	1 84	529 92	10
Engineers	34	288	1 84	529 92	10
Firemen	3	284	1 75	461 00	10
Foremen	9	191	2 57	490 87	9.2
Forgers	5	170	1 80	306 00	10
Forger's helpers	5	170	1 60	272 00	10
Foundry hands	210	300	1 65	495 00	10
Gin hands	2	312	1 25	390 00	10
Inspectors	2	273	2 25	614 25	10
Iron workers	79	305	2 48	756 40	9
Laborers	337	278	1 44	400 32	9.8
Link cutters	4	273	1 90	518 70	10
Machine hands	38	305	2 14	652 70	10
Machinists	270	203	2 13	432 39	9.9
Machinists' helpers	2	309	1 50	463 50	9.5
Mechanics	19	308	1 31	403 48	10
Molders	426	285	2 13	607 05	10.1
Molder's helpers	5	257	1 70	436 90	9.6
Mounter	1	227	2 00	454 00	10
Packers	5	230	1 25	287 25	9

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

FOUNDRY AND MACHINE SHOP PRODUCTS—64 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Painters	6	168	$ 1 47	$ 246 96	9.6
Pattern makers	46	253	2 45	619 85	10
Plate worker	1	282	1 50	423 00	9
Pipe fitters	128	287	2 17	623 09	8
Polishers	3	208	1 67	347 36	9.3
Pressmen	6	310	1 75	542 50	10
Printer	1	305	1 50	457 50	10
Repairers	5	299	2 00	598 00	8.8
Riveters	8	300	1 50	450 00	10
Sawyers	2	300	1 67	501 00	10
Sand cutters	2	300	1 67	501 00	10
Sheet-iron workers	5	285	1 60	456 00	9
Shippers	2	290	2 08	603 20	10
Stock men	2	303	1 25	378 75	10
Tapping department hands	30	308	1 58	486 64	10
Tinner	1	305	2 50	762 50	10
Teamster	1	312	1 50	468 00	10
Tool makers	2	100	1 75	175 00	9.5
Wagon makers	2	310	2 25	697 50	10
Watchmen	6	271	1 48	402 08	11.1
Wheel borers	8	300	2 75	825 00	10
Wheel cleaners	8	300	1 67	501 00	10
Winders	4	273	1 56	425 88	10
Yard men	95	293	1 43	418 99	10
FURNITURE—35 ESTABLISHMENTS.					
Apprentices	6	275	91	250 25	10
Assemblers	9	288	1 58	455 04	8
Band sawyers	2	300	1 87	561 00	10
Bed makers	2	297	1 10	326 70	8
Bench hands	29	280	1 83	512 40	10
Brass workers	3	300	2 50	750 00	10
Cabinet makers	73	288	1 75	504 00	10
Carvers	6	291	2 36	687 76	10
Chair makers	114	280	3 14	879 20	9.8
Chippers	2	300	1 25	375 00	10
Cupola tenders	2	300	1 60	480 00	10
Engineers	27	279	1 67	465 93	10
Filer	1	276	4 00	1,104 00	10
Filler	1	296	1 25	370 00	10
Finishers	95	282	1 51	425 82	9.2
Foremen	7	235	1 90	446 50	9.9
Furniture maker	1	300	1 25	375 00	10
Gluers	7	290	1 61	466 90	10
Helper	1	300	1 25	375 00	10
Inspector	1	286	1 75	500 50	10
Laborers	151	284	1 36	386 24	10.5
Link makers	2	297	1 00	297 00	8
Lumber stackers	11	292	1 25	365 00	10
Machine hands	308	276	1 73	477 48	9.9
Machine hands' assistants	9	270	73	197 10	10
Machinists	18	261	2 06	537 66	10
Molders	14	300	1 75	525 00	10
Molders and helpers	18	255	3 50	892 50	10
Mounters	4	300	1 50	450 00	10
Packers	47	297	1 50	445 50	10
Painters	15	238	1 60	440 80	10
Pattern maker	1	306	3 00	918 00	10
Polishers	7	296	2 17	642 32	10
Repairer	1	208	2 00	416 00	10
Rubbers	7	300	2 00	600 00	10
Sanders	16	277	1 69	468 13	10
Sawyers	7	294	1 93	567 42	10
Seaters	2	300	2 00	600 00	10
Shape men	2	300	1 75	525 00	10

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

FURNITURE—35 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Shipping clerk	1	297	$ 1 50	$445 00	8
Spring makers	2	297	1 20	356 40	8
Spring makers' assistants	2	297	50	148 50	8
Teamsters	17	264	1 46	385 44	10
Teamsters (with teams)	4	300	3 25	975 00	10
Turners	12	295	2 38	702 10	10
Upholsterers	19	301	1 86	559 86	10
Varnishers	29	280	2 23	624 40	10
Varnisher and finisher	1	300	1 35	405 00	10
Veneerers	3	294	1 75	514 50	10
Watchmen	5	294	1 36	399 84	11.6
Weavers	2	297	1 25	371 25	8
Woodworkers	12	300	1 85	555 00	10
Yardmen	2	270	1 25	337 50	10
GAS AND ELECTRICITY—97 ESTABLISHMENTS.					
Apprentices	2	365	88	321 20	10
Dynamo tender	1	365	2 00	730 00	10
Electricians	20	365	2 25	821 25	10.4
Electricians' assistants	2	365	1 62	591 30	12
Elevator men	3	365	1 60	584 00	12
Engineers	114	352	1 88	661 76	10.6
Firemen	45	340	1 33	452 20	10.9
Foremen	3	365	1 94	708 10	10
Gas fitters	2	365	1 15	419 75	7.5
Gas makers	6	356	1 64	583 84	11.6
Helpers	3	365	1 33	485 45	12
Laborers	23	365	1 31	478 15	9.6
Linemen	22	365	1 77	646 05	9.9
Linemen's assistants	3	365	1 40	511 00	9.3
Oiler	1	365	50	182 50	9.5
Plumbers	2	52	1 50	78 00	10
Teamster	1	72	1 00	72 00	10
Trimmers	10	321	1 30	417 30	8.7
Wireman	1	365	1 75	638 75	10
Yardman	1	365	1 50	547 50	10
GLASS AND GLASSWARE—6 ESTABLISHMANTS.					
Assorters	3	262	2 00	524 00	10
Batch wheelers	2	108	2 00	216 00	9
Blacksmiths	5	243	2 33	566 19	9.6
Blacksmith's helper	1	196	1 50	294 00	10
Blowers	97	214	6 85	1,465 90	7.8
Boiler room employes	22	304	1 80	547 20	12
Bookers	3	304	1 65	501 60	11
Box makers and packers	7	196	1 75	343 00	10
Bricklayers	24	304	2 20	668 80	10
Carpenters	14	304	1 92	583 68	10
Carriers	4	241	1 75	421 75	10
Cutters	20	179	5 15	921 85	9.5
Electrical department employes	5	304	2 16	656 64	12
Engineers	13	293	2 28	668 04	11.8
Fillers	3	262	1 25	327 50	10
Firemen	2	262	1 80	571 60	12
Flatteners	12	167	6 95	1,160 65	11.3
Foremen	2	241	5 00	1,205 00	12
Furnace room employes	87	303	1 99	602 97	10
Gas producers	26	304	1 98	601 92	12
Gatherers	47	162	1 78	288 36	7.5
Glass workers	85	241	3 50	843 50	9
Glass workers (boys)	97	248	71	176 08	9
Grinders	152	303	1 92	581 76	11
Laborers	105	260	1 50	390 00	9.8
Laborers (skilled)	20	280	3 20	896 00	9

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

GLASS AND GLASSWARE—6 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Lehr tenders	22	208	$1 54	$320 32	11
Machine hands	25	262	1 90	497 80	10
Machinists	38	303	1 80	545 40	10
Master teasers	4	152	2 71	411 92	12
Mixers	8	247	1 78	441 26	9.7
Mold boys	100	262	90	235 80	8
Mold makers	15	241	2 00	482 00	9
Packers	25	247	1 67	412 49	9.8
Plaster mill employes	3	304	1 98	601 92	11
Polishers	86	304	1 58	480 32	11
Pot maker	2	174	2 96	515 04	9.5
Pot maker's helper	1	108	1 50	162 00	9
Pottery employes	29	304	1 59	483 36	10
Roller boys	8	152	1 32	200 64	9.3
Selector	1	241	2 17	522 97	10
Shippers	4	241	2 40	578 40	10
Snappers	47	162	1 70	275 40	7.5
Teasers	6	137	1 64	224 68	12
Truckers	8	262	1 50	393 00	10
Warehouse employes	51	300	1 47	441 00	10
Watchmen	3	255	1 75	446 25	11.3
Yardmen	43	275	1 41	387 75	9.9
GLOVES AND MITTENS—2 ESTABLISHMENTS.					
Cutters	3	283	1 50	424 50	10
Laborer	1	300	1 00	300 00	10
Packer	1	300	1 40	420 00	10
Turners	6	300	1 00	300 00	10
HANDLES—25 ESTABLISHMENTS.					
Blacksmith	1	312	2 00	624 00	10
Bolters	2	192	1 79	343 68	10
Engineers	7	210	1 64	344 40	10.2
Equalizer	1	120	2 00	240 00	10
Finishers	19	293	1 52	445 56	10
Firemen	2	210	1 62	340 20	9.5
Foreman	1	300	2 75	825 00	10
Handle makers	54	264	1 55	409 20	10
Jointer	1	265	1 50	397 50	10
Laborers	185	236	1 40	330 40	10
Laborers (boys)	13	237	96	227 52	10
Machine operators	5	300	1 75	525 00	10
Matcher	1	265	1 66	439 90	10
Mill hands	8	120	1 50	180 00	10
Packers	3	291	1 70	494 70	10
Piler	1	265	1 50	397 50	10
Sanders	4	271	1 60	433 60	10
Sawyers	59	238	1 61	383 18	9
Shavers	8	304	1 48	449 92	10
Stick department hands	11	290	1 17	339 30	10
Teamsters	6	120	1 50	180 00	9.5
Turners	31	242	1 88	454 96	9.6
Turners' helper	1	120	1 50	180 00	10
Watchman	1	300	1 40	420 00	13
HARDWARE—4 ESTABLISHMENTS.					
Assemblers	4	290	1 50	435 00	10
Buffers	9	294	1 50	441 00	10
Laborers	118	292	1 46	436 32	9.6
Machine hands	6	290	1 50	435 00	10
Molders	32	290	2 75	797 50	9.5
Painters (boys)	5	290	1 00	290 00	10
Platers	2	295	2 58	761 10	10

TABLE IV*g*—MANUFACTURES—VILLAGES—Continued.

HARDWARE—4 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Polishers	25	290	$2 50	$725 00	9.5
Shipping clerk	1	290	2 00	580 00	10
Tool makers	2	290	3 00	870 00	10
HARNESS AND SADDLERY—18 ESTABLISHMENTS.					
Awler	1	290	2 00	580 00	10
Benders	4	298	1 40	417 20	10
Binders	7	299	1 46	436 54	10
Blacksmiths	4	300	1 25	375 00	10
Cutters	32	219	1 63	356 97	10
Engineers	5	240	2 20	528 00	10
Errand boy	1	302	75	226 50	10
Finishers	2	280	1 25	350 00	9
Firemen	4	156	1 50	234 00	10
Foremen	24	168	2 41	404 88	10
Halter maker	6	300	1 00	300 00	8.2
Harness makers	70	272	1 46	397 12	10
Ironers	3	300	1 40	420 00	10
Knotters	2	290	75	217 50	10
Laborers	20	220	2 28	503 60	9.9
Laborers (boys)	11	275	93	255 75	9.8
Machinists	7	300	1 50	450 00	10
Machine operators	4	294	1 62	476 28	10
Machine hands (boys)	10	290	1 00	290 00	10
Metal department hands	20	156	1 10	171 60	10
Packers	28	156	75	117 00	10
Painters	3	300	1 50	450 00	10
Pickers	28	156	1 33	207 48	10
Quilters	7	290	1 00	290 00	10
Riveters	2	290	85	246 50	10
Rollers	70	156	1 67	260 52	10
Saddle makers	35	300	1 85	555 00	10
Shaver	1	280	1 50	420 00	9
Shippers	23	174	1 59	276 66	10
Sorters	2	290	1 50	435 00	10
Stuffers	206	160	1 71	273 60	10
Watchmen	2	156	2 00	312 00	10
ICE (ARTIFICIAL)—11 ESTABLISHMENTS.					
Engineers	14	225	2 15	483 75	12
Firemen	7	232	1 35	313 20	12
Helpers	5	240	1 71	410 40	12
Ice pullers	4	220	1 37	301 40	12
Laborers	12	228	1 57	357 96	9.6
Oiler	1	306	2 00	612 00	12
Tank men	11	240	1 91	458 40	12
Tank men's helpers	2	190	75	142 50	12
Teamsters	17	231	1 66	383 46	11
IRON (STRUCTURAL AND ARCHITECTURAL)—3 ESTABLISHMENTS.					
Blacksmiths	7	296	2 18	645 28	10
Core maker	1	294	2 25	661 50	10
Engineers	2	269	3 08	828 62	10
Erectors	5	310	2 25	697 50	10
Fireman	1	245	1 50	367 50	10
Helpers	20	264	1 29	340 56	10
Laborers	11	280	1 55	434 00	10
Machinists	8	265	1 92	508 80	10
Molders	6	294	2 75	808 50	10
Pattern makers	2	294	2 50	735 00	10
Pressmen	4	310	1 75	542 50	10
Riveters	3	310	1 75	542 50	10
Structural men	12	294	1 75	514 50	10
Watchman	1	294	1 75	514 50	12

TABLE IV*g*—MANUFACTURES—VILLAGES—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
LEATHER AND LEATHER GOODS—8 ESTABLISHMENTS,					
Assorters,	9	300	$2 75	$ 825 00	10
Beam hands	32	299	1 96	586 04	10
Engineers	5	298	2 65	789 70	10
Finishers,	77	300	2 23	669 00	10
Harness maker,	1	300	1 50	450 00	10
Laborers	19	301	1 66	499 66	9.
Tanners,	81	302	1 66	501 32	9.9
LIGHTING APPARATUS—1 ESTABLISHMENT,					
Machinists,	2	127	1 50	190 50	10
Tinners	2	127	1 50	190 50	10
LIME. SAND. CEMENT AND PLASTER—21 ESTABLISHMENTS,					
Blacksmith	1	365	3 36	1.226 40	12
Brakemen	3	210	1 90	399 00	10
Boilers,	5	210	1 46	306 60	10
Burners,	15	240	1 88	451 20	11
Carpenters,	7	318	2 83	899 94	11.4
Cement makers	2	365	2 64	963 60	12
Chemical room hand,	1	300	2 00	600 00	10
Coopers,	2	290	2 25	664 10	10
Drawers,	2	300	1 60	480 00	10
Drillers	2	295	1 75	516 25	10
Dryers,	7	222	1 77	392 94	10
Engineers	25	246	1 97	484 62	10.7
Firemen,	30	263	2 01	528 63	10.1
Foremen	8	193	2 22	428 46	10.5
Grinders	4	365	2 64	963 60	12
Kiln hands	3	210	1 37	287 70	10
Laborers	187	253	1 60	404 80	10.5
Laborers (boys),	3	215	50	107 50	10
Loaders,	33	303	1 98	599 94	11.4
Machinists,	5	272	2 48	674 56	10.8
Machine tenders,	8	192	1 65	316 80	10.7
Masons,	3	233	2 83	659 39	10
Mill hands,	224	272	1 65	448 80	10
Miners	179	246	1 76	432 96	10
Mixers	2	278	2 05	569 90	10
Motorman,	1	365	3 22	1.175 30	12
Oilers,	4	210	1 56	327 60	10
Packers	11	360	2 85	741 00	11.7
Quarry men	122	289	1 49	430 61	10
Shed hands,	6	290	1 75	507 50	10
Store keepers	2	213	2 20	268 60	12
Teamsters,	9	292	1 50	438 00	10
Watchman	1	300	2 00	600 00	10
Warehouse men,	12	250	1 60	400 00	10
LIQUORS (DISTILLED)—8 ESTABLISHMENTS,					
Beer runners,	2	179	2 37	423 33	10
Bottlers	4	171	1 87	322 77	10
Carpenters,	2	204	2 00	408 00	10
Cellar men,	3	302	1 60	483 20	10
Coopers	16	173	2 00	346 00	10
Distillers	5	220	3 70	814 00	10.4
Drawing room men,	2	204	1 75	357 00	10
Elevator man,	1	155	1 35	209 25	10
Engineers	4	195	2 04	397 80	10.5
Fermenters,	10	253	1 75	442 75	10
Firemen,	7	211	1 87	394 57	10
Foreman	1	204	3 00	612 00	10
Laborers	43	200	1 57	314 00	10
Mash hands,	4	204	2 00	408 00	10

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

LIQUORS (DISTILLED)—8 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Meal room hands	2	204	$1 50	$306 00	10
Mill hands	2	179	2 00	358 00	10
Re-distiller	1	204	3 00	612 00	10
Teamsters	5	165	1 30	214 50	10
Teamsters (with team)	4	304	2 50	760 00	10
Warehouse men	12	192	2 10	403 20	10
Watchman	1	204	1 66	338 64	10
Yeast makers	2	182	2 62	476 84	11
LIQUORS (MALT)—10 ESTABLISHMENTS.					
Bottlers	10	314	1 54	483 56	9.8
Bottler (boy)	1	365	75	273 75	10
Brewers	7	307	1 85	567 95	9.3
Cellar men	7	326	1 80	586 80	10.1
Collector	1	365	2 00	730 00	10
Drivers	12	317	1 77	561 09	9.7
Engineers	8	323	1 87	604 01	10.3
Fireman	1	313	1 00	313 00	6.5
Foreman	1	365	3 85	1,405 25	10
Hostler	1	365	1 35	492 75	10
Kettle hand	1	310	2 00	620 00	10
Laborers	17	322	1 61	518 42	9.6
Maltsters	2	365	1 35	492 75	10
Washhouse hand	1	310	2 00	620 00	10
Watchman	1	310	2 00	620 00	12
MACHINERY—34 ESTABLISHMENTS.					
Apprentices	8	244	67	163 48	8.5
Assemblers	4	90	1 50	135 00	10
Bench hands	8	292	1 81	528 52	10
Blacksmiths	46	297	2 02	599 94	10
Blacksmiths' helpers	7	282	1 71	482 22	10
Boiler makers	3	309	2 50	772 50	10
Car builders	6	250	2 75	687 50	9
Carpenters	50	276	1 91	527 16	10
Core maker	3	281	1 75	491 75	10
Cupola tender	1	250	1 50	375 00	10
Draughtsmen	5	309	3 75	1,158 75	10
Engineers	11	268	1 92	514 56	10
Erectors	3	300	2 00	600 00	10
Fireman	1	305	1 45	442 25	10
Foremen	12	291	3 23	939 93	9.9
Glass cutter	1	90	1 50	135 00	10
Helpers	96	303	1 53	463 59	9.6
Laborers	229	293	1 41	413 13	10
Lathe hand	1	300	1 00	300 00	10
Machine hands	30	295	1 81	535 95	10.8
Machine hands' helpers	3	295	90	265 50	10
Machinists	252	295	2 34	690 30	9.8
Machinists' apprentices	5	305	1 14	347 70	10
Machinists' helpers	58	296	1 87	553 52	8.2
Molders	141	293	2 50	732 50	9.7
Molders' apprentices	4	295	1 25	368 75	10
Molders' helpers	48	299	1 71	511 29	9.2
Packer	1	90	1 50	135 00	10
Pattern makers	18	244	2 48	505 12	9.8
Painters	16	289	1 76	505 64	10
Painters' helpers	1	90	83	74 70	10
Polishers	2	90	1 50	135 00	10
Rivet makers	26	303	2 00	606 00	9.2
Sawyers	2	300	1 12	336 00	10
Teamster	1	300	1 50	450 00	10
Tinners	11	304	1 76	535 04	10
Varnishers	2	195	1 75	341 25	10
Watchmen	5	283	1 57	444 31	10.4
Wire drawers	3	303	2 00	606 00	9.2
Wood workers	27	283	1 69	478 27	9 9

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

MARBLE AND GRANITE—14 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentice	1	305	$1 00	$ 305 00	10
Blacksmiths	2	300	3 00	900 00	8
Carvers	4	300	3 50	1,050 00	8
Cutters	34	290	2 57	745 30	9.4
Engineer	1	300	2 00	600 00	9
Grinder	1	300	1 50	450 00	9
Laborers	60	290	1 50	435 00	10
Laborers (boys)	3	252	83	209 16	10
Letterers	8	277	3 15	872 55	8.5
Lumpers	3	300	1 25	375 00	9
Polishers	2	300	2 25	675 00	9
Setters	3	300	1 83	549 00	9.3
Shipping clerk	1	300	2 90	870 00	9
Teamsters	4	256	1 85	473 60	10.1

MATCHES—2 ESTABLISHMENTS.

Box makers	136	298	1 22	359 56	10
Case makers	14	300	1 35	405 00	10
Engineer	1	275	2 00	550 00	10
Firemen	3	275	1 75	481 25	10
Foundry hands	40	300	2 17	651 00	10
Laborers	129	284	1 50	426 00	10
Machine hands	37	275	1 50	412 50	10
Machinists	178	299	2 68	801 32	10
Match makers	142	300	1 45	435 00	10
Packers	10	275	1 60	440 00	10
Pattern makers	13	296	2 34	692 64	10
Preparers	19	300	1 55	465 00	10
Teamsters	2	275	1 75	481 25	10

PAINTS AND VARNISHES—2 ESTABLISHMENTS.

Grinders	9	300	2 00	600 00	10
Laborers	13	300	1 85	555 00	10
Paint maker	1	122	2 50	305 00	10
Shipping clerks	12	300	1 75	525 00	10

PIANOS AND OTHER MUSICAL INSTRUMENTS—3 ESTABLISHMENTS.

Action makers	2	306	2 25	688 50	10
Action finishers	2	306	3 00	918 00	10
Action regulator	1	306	4 00	1,224 00	10
Bellows makers	3	304	2 50	760 00	10
Decorator	1	300	2 00	600 00	10
Engineer	1	306	2 00	612 00	10
Finishers	6	303	2 16	654 48	10
Foremen	8	300	4 00	1,200 00	10
Machine men	8	303	2 43	736 29	10
Metal workers	20	300	2 00	600 00	10
Organ case makers	3	306	2 25	688 50	10
Packer	1	306	2 00	612 00	10
Piano makers	4	260	3 31	860 60	10
Polishers	3	306	2 83	865 98	10
Rubber	1	306	2 00	612 00	10
Stainers	2	306	1 00	306 00	10
Stringer	1	306	2 25	688 50	10
Tone regulator	1	306	5 75	1,759 50	10
Tuners	2	306	3 75	1,147 50	10
Varnishers	3	306	2 92	893 52	10
Watchman	1	306	1 00	306 00	10
Wood workers	50	300	2 25	675 00	10

TABLE IV*g*—MANUFACTURES—VILLAGES—Continued.

PICKLES, PRESERVES AND SAUCES—5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Assorters	10	94	$1 50	$141 00	10
Canners	15	94	1 50	141 00	10
Capper	1	94	1 50	141 00	10
Cider makers	2	250	1 25	312 50	10
Cookers	2	242	1 83	462 86	10
Cooper	1	94	1 50	141 00	10
Engineers	2	85	1 75	148 75	10
Fireman	1	300	1 75	525 00	10
Foremen	2	267	2 00	534 00	10
Laborers	53	124	1 34	166 16	10
Processors	2	94	1 75	164 50	10
Pulp maker	1	94	1 50	141 00	10

POTTERY AND STONEWARE—32 ESTABLISHMENTS.

Bailer	1	50	1 25	62 50	10
Ball makers	2	250	1 00	250 00	10
Bisque brusher	5	296	93	275 28	9
Bisque kiln placers	10	293	2 25	659 25	9
Burners	16	290	2 67	774 30	9.5
Carpenters	5	348	2 70	939 60	11
Carriers	2	200	1 60	320 00	10
Coopers	3	273	2 33	636 09	8.6
Chemist	1	305	2 75	838 75	9.3
Clay miners	4	276	1 51	416 76	9
Clay washers	3	240	1 60	384 00	10
Clay workers	367	214	3 17	678 38	9
Decorators	75	297	2 90	861 30	9
Dippers	8	294	2 31	679 14	8.9
Dish makers	2	306	6 00	1,836 00	9
Drawers	50	296	1 75	518 00	8.1
Engineers	28	266	2 03	543 98	10
Finishers	6	239	1 00	239 00	10
Firemen	9	291	2 39	695 49	10
Foremen	3	219	3 08	674 52	10
Glazers	4	292	1 60	467 20	10
Glost kiln placers	13	292	2 67	779 64	9
Glost ware department hands	10	292	1 65	481 80	9
Handlers	2	306	6 25	1,912 50	9
Jigger men	32	273	3 68	1,004 64	9.2
Jolly men	54	275	2 47	679 25	8.8
Kiln hands	46	264	2 51	662 64	9.7
Kiln placers	15	289	1 50	433 50	10
Laborers	342	312	1 17	365 04	9.8
Loader	1	295	1 75	516 25	10
Mold boy	1	221	1 00	221 00	10
Mold carrier	2	150	1 00	150 00	9.5
Mold makers	8	296	2 94	870 24	8.7
Offbearer	1	275	85	233 75	9
Packers	38	277	1 81	501 37	9.5
Painters	2	305	1 75	533 75	9.3
Potters	16	223	2 64	588 72	9.5
Pressers	37	274	2 49	682 26	9.1
Puggers	5	206	1 73	356 38	10
Saggar makers	14	280	2 89	809 20	9.1
Setters	26	288	2 50	720 00	8.3
Slippers	27	244	1 80	439 20	9.9
Trimmers	2	170	1 25	212 50	8.5
Tube headers	14	239	1 50	358 50	10
Turners	22	265	3 50	927 50	9
Ware dressers	12	306	90	275 40	9
Warehouse men	15	296	1 90	562 40	9
Watchmen	10	251	1 88	471 88	11.9
Wheelers	4	277	1 60	443 20	10

TABLE IV*g*—MANUFACTURES—VILLAGES—Continued.

PRINTING AND BINDING—152 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Apprentices	19	301	$ 56	$ 168 56	9
Binder	1	300	1 85	555 00	9
Carriers	4	312	17	53 04	1
Collectors	3	309	1 16	358 44	8.6
Compositors	259	305	1 47	438 35	9.4
Editors	16	284	2 06	585 04	9.4
Engineer	1	300	3 40	1,020 00	10
Foremen	45	289	1 88	543 32	9.4
Janitor	1	308	1 25	385 00	11
Laborers	19	303	1 35	409 05	9.7
Machine operator	1	309	2 00	618 00	8
Machinists	15	300	2 00	600 00	10
Office boys	2	303	41	124 23	8
Press feeders	4	303	66	199 98	5
Pressmen	8	282	1 59	448 38	8.8
Reporters	5	264	1 79	472 56	9.7
Shippers	25	300	1 40	420 00	10
Solicitor	1	306	1 66	507 96	9
Tinners	11	300	1 60	480 00	10
Watchman	1	300	2 50	750 00	10
Wax workers	4	300	1 40	420 00	10
Wood workers	88	300	1 75	525 00	10

PUMPS AND WATER WHEELS—11 ESTABLISHMENTS.

Assemblers	1	300	2 50	750 00	10
Core maker	1	304	2 00	608 00	10
Core maker's helper	1	304	1 50	456 00	10
Cupola tender	1	304	1 60	486 40	10
Drillers (boys)	3	304	1 00	304 00	10
Engineers	2	293	1 82	533 26	10
Foremen	2	304	2 25	684 00	10
Laborers	91	223	1 52	338 96	10
Machine operators	3	238	1 50	357 00	10
Machinists	111	290	1 21	350 90	10
Mechanics	5	302	1 38	416 76	9
Molders	43	238	2 35	559 30	10
Molders' apprentices	3	304	1 86	565 44	10
Molders' helpers	96	280	2 20	616 00	10
Packers	4	150	1 00	150 00	10
Painters	26	283	1 55	438 65	10
Pattern makers	7	298	2 53	753 94	10
Pump makers	8	250	1 50	375 00	10
Shippers	12	280	1 65	462 00	10
Shop men	100	280	1 60	448 00	10
Teamster	1	304	1 16	352 64	10
Tinsmiths	4	225	1 50	337 50	9.9

RUBBER GOODS—5 ESTABLISHMENTS.

Cleaner	1	264	90	237 60	10
Cutters	2	283	1 60	452 80	9.5
Curer	1	264	1 35	356 40	10
Dippers	2	264	1 50	396 00	10
Engineers	9	285	2 18	621 30	10.1
Filers	4	265	2 00	530 00	10
Fireman	1	283	1 75	495 25	10
Foreman	1	250	3 00	750 00	10
Laborers	13	286	1 48	423 28	9.9
Machine operators	2	283	1 05	297 15	9.5
Mill men	5	283	1 60	452 80	9.5
Millwright	1	283	3 00	849 00	10
Mold fillers	2	265	1 50	397 50	10
Pressmen	5	279	1 32	368 28	9.6
Polishers	2	265	2 00	530 00	10

TABLE IV*g*—MANUFACTURES—VILLAGES—Continued.

RUBBER GOODS—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Rubber workers	95	301	$ 1 75	$526 75	10
Sweeper	1	283	1 20	339 60	9.5
Turners	2	265	3 00	795 00	10
Watchman	1	283	1 20	339 60	9.5
Weight clerks	2	203	1 55	314 65	9.5
SALT—6 ESTABLISHMENTS.					
Ash haulers	3	131	1 28	167 68	9
Brine tenders	3	132	1 38	182 16	10.3
Bromine makers	2	107	3 00	321 00	8
Carpenters	3	302	1 60	483 20	9.3
Coal passers	2	365	1 50	547 50	10
Coopers	38	233	1 46	340 18	8.8
Engineers	13	203	1 82	369 46	11.6
Firemen	74	234	1 61	376 74	8.1
Foremen	6	307	2 21	678 47	9.5
Foreman's assistant	1	270	1 50	405 00	9
Gin hand	1	10	1 25	12 50	9
Laborers	98	303	1 50	454 50	10
Lifters	21	144	1 32	193 08	7
Machinists	2	365	2 25	821 25	10
Miners	43	171	2 37	405 27	6.5
Nailers	2	10	1 70	17 00	9
Oilers	2	365	1 80	657 00	12
Packers	20	310	2 45	759 50	10
Salt makers	4	270	1 50	405 00	9
Steam fitters	2	365	2 00	730 00	10
Teamsters	4	115	1 88	216 20	8
Watchman	1	115	1 15	128 25	12
Water tenders	3	365	1 75	638 75	8
Well tenders	2	62	1 87	115 94	10
Well tenders' assistant	1	115	1 25	144 75	10
Wheelers	12	365	1 50	547 50	10
SASH, DOORS, LUMBER AND INTERIOR FINISH—161 ESTABLISHMENTS.					
Apprentices	2	178	1 02	181 56	9.2
Blacksmith	1	210	1 75	367 50	10
Cabinet makers	19	302	2 20	664 40	10
Carpenters	214	260	1 97	512 20	9.4
Carver	1	302	2 00	604 00	10
Constructor	1	200	2 30	460 00	8
Coopers	2	240	2 00	480 00	10
Cutters	9	228	1 61	367 08	9.8
Draughtsmen	2	302	2 50	755 00	10
Draughtsmens' assistant	1	302	1 50	453 00	10
Edgers	3	205	1 89	387 45	10
Elevator man	1	306	1 25	382 50	10
Engineers	74	255	1 67	425 85	9.8
Filers	5	275	2 42	665 50	10
Finishers	12	291	2 02	587 82	9.9
Firemen	17	236	1 47	346 92	9.8
Foremen	20	279	2 17	605 43	9.9
Foremen's assistant	1	302	1 65	498 30	10
Frame makers	2	298	1 75	521 50	10
Inspectors	6	268	2 15	576 20	9.6
Laborers	491	255	1 46	372 30	9.4
Laborers (boys)	5	200	1 00	200 00	10
Loggers	8	223	1 43	318 89	8.7
Machine hands	115	276	1 87	516 12	9.7
Machine hands' assistant	1	300	1 25	375 00	10
Machinists	28	246	2 21	543 66	10
Marker	1	306	1 75	535 50	10
Mason	1	110	3 00	330 00	10
Mill hands	401	265	1 40	371 00	9.5

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

SASH, DOORS, LUMBER AND INTERIOR FINISH—161 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Molder	1	234	$1 67	$390 78	10
Oar finishers	4	275	1 30	357 50	10
Offbearers	12	188	1 40	263 20	10
Pattern makers	8	268	2 22	594 96	10
Painters	3	302	1 25	377 50	10
Planers	4	265	1 77	469 05	10
Sash makers	2	220	2 25	495 00	10
Sawyers	103	253	1 62	390 86	9.8
Setters	11	204	1 43	291 72	10
Stackers	4	234	1 17	273 88	10
Stirrup maker	1	306	1 25	382 50	10
Teamsters	133	266	1 59	422 94	10
Teamsters (with team)	5	149	3 60	238 40	10
Timber cutters	14	257	1 39	360 23	9.3
Turners	17	273	1 81	494 13	9.6
Turners' helpers	2	200	1 50	300 00	10
Varnishers	3	295	2 50	737 50	10
Watchmen	7	261	1 51	394 11	10.5
Wood workers	2	273	1 80	491 40	10
Yardmen	56	283	1 21	342 43	10
SLAUGHTERING AND MEAT PACKING—2 ESTABLISHMENTS.					
Butchers	20	315	1 69	522 35	10.4
Carpenter	1	313	1 66	519 58	10.5
Engineers	4	324	1 75	567 00	11.2
Laborer	1	335	1 00	335 00	10
Packers	3	313	1 33	416 29	10.5
Shipper	1	313	1 84	575 92	10.5
Teamsters	2	324	1 45	469 80	11.2
SODA AND MINERAL WATERS—9 ESTABLISHMENTS.					
Bottlers	8	267	1 68	448 56	9.6
Bottle washer	1	180	75	135 00	10
Laborers	2	206	1 67	342 02	10
Teamsters	4	260	1 50	390 00	9.2
STEEL, IRON AND TIN—17 ESTABLISHMENTS.					
Bench men	136	304	2 46	747 84	10
Blacksmiths	26	274	2 58	706 92	10
Blacksmiths' helpers	4	337	1 73	583 01	10
Blast tenders	2	365	2 20	803 00	12
Brick layers	2	304	3 54	1,076 16	9.5
Brick masons	25	264	4 33	1,143 12	8.2
Cagers	6	333	1 96	652 68	12
Carpenters	57	282	2 26	637 32	10
Cast house men	22	365	2 10	766 50	12
Chemists	12	298	2 28	681 64	11.1
Chemists' assistants	3	321	1 61	516 81	10
Choppers	75	175	1 00	175 00	8
Cinder men	37	329	2 02	663 58	10.7
Cleaners	5	327	1 76	575 52	9.2
Crib tender	1	339	1 75	596 55	10
Cutters	26	304	1 92	583 68	10
Draughtsmen	8	283	2 15	608 45	10
Electricians	15	287	2 21	634 27	11.7
Engineers	58	283	2 55	721 65	11.8
Engineers' helpers	2	323	2 20	710 60	12
Fillers	196	323	2 08	671 84	11.2
Fillers' helpers	8	323	2 03	655 69	12
Firemen	131	285	2 03	578 55	11.8
Firemen's helpers	4	336	1 77	594 72	10
Foremen	42	316	2 91	919 56	10.8
Foundry hands	2	238	3 04	723 52	11

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

STEEL, IRON AND TIN—17 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Furnace men	401	283	$1 95	$ 551 85	12
Gin hand	1	119	1 20	142 80	10
Guttermen	12	333	1 88	626 04	8.1
Heaters	5	284	9 08	2,578 72	10
Heaters' helpers	8	280	5 00	1,400 00	10
Helpers	151	285	2 14	609 90	11.2
Hookers	2	340	2 20	748 00	12
Hot mill men	4	285	2 20	627 00	12
Iron breakers	2	340	2 75	935 00	12
Iron breakers' helpers	2	340	2 20	748 00	12
Iron carriers	15	333	3 00	999 00	12
Iron graders	15	325	1 69	549 25	10
Keepers	20	290	2 33	675 70	12
Keepers' helpers	16	306	2 08	636 48	12
Laborers	1,229	269	1 77	476 13	10
Limestone pounders	2	339	1 65	559 35	9
Loaders	12	339	1 80	610 20	9.3
Machinists	153	282	2 49	692 18	10
Machinists' helpers	4	326	1 90	619 40	10
Millwrights	7	249	2 76	687 24	10
Millwrights' assistants	4	280	1 50	420 00	10
Miners	90	212	2 08	440 96	8.2
Molder	1	285	2 20	627 00	10
Oilers	2	340	1 90	646 00	12
Ore burner	1	119	1 20	142 80	10
Ore pounders	2	119	98	116 62	10
Pipe fitters	6	304	1 90	646 00	10
Piercers	25	304	4 04	1,228 16	10
Puddlers	16	280	4 85	1,358 00	10
Puddlers' helpers	16	280	2 65	742 00	10
Pumpers	2	285	2 20	627 00	12
Railway employes	55	294	2 44	717 36	12
Rollers	131	273	7 30	1,992 90	9.1
Rollers' helpers	3	280	5 00	1,400 00	10
Roll turner	1	280	5 00	1,400 00	10
Roll turners' helpers	3	280	3 50	980 00	10
Roughers	20	282	5 67	1,598 94	9.8
Scrappers	6	320	1 60	512 00	11.3
Setter	1	358	1 50	577 50	10
Shearmen	25	240	6 79	1,629 60	10
Shearmen's helpers	80	230	2 18	501 40	10
Sheet mill men	408	234	3 03	709 02	8
Steel workers (skilled)	125	283	3 70	1,047 10	12
Steel workers (unskilled)	370	283	1 95	551 85	12
Stock men	23	308	1 60	492 80	10.1
Store keepers	4	335	1 95	653 25	12
Stove tenders	8	337	2 05	690 85	12
Straighteners	10	280	2 50	700 00	10
Stranners	13	280	4 50	1,260 00	10
Teamsters	39	224	1 35	302 40	11.3
Teamsters (with team)	20	175	3 00	525 00	10
Trough men	4	323	2 03	655 69	12
Unloaders	30	330	1 65	544 50	10
Watchman	1	300	1 50	450 00	10
Water tenders	5	362	2 06	743 72	10.8
Weighers	4	326	2 10	684 60	12
Wheelers	2	323	2 03	655 69	12
STONE (CUT, SAWED AND ARTIFICIAL)—10 ESTABLISHMENTS.					
Blacksmiths	3	249	2 58	642 42	10
Blasters	2	234	1 50	351 00	10
Drill hands	2	252	2 25	567 00	9.5
Engineers	17	241	2 25	542 25	10
Finishers	5	300	1 50	450 00	10
Firemen	7	238	1 46	347 48	10

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

STONE (CUT, SAWED AND ARTIFICIAL)—10 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Foreman	3	241	$2 63	$693 83	10
Laborers	151	234	1 38	322 92	10
Machine hand	1	305	3 00	915 00	10
Machinist	1	200	2 00	400 00	9
Quarrymen	69	229	1 81	414 49	10
Sawyer	1	300	1 75	525 00	10
Stone cutters	11	290	3 34	968 60	10
Strippers	14	305	1 60	488 00	10
Teamsters	3	234	1 25	292 50	10
Turners	5	289	1 80	520 20	10
Wood workers	2	300	1 50	450 00	10
STOVES, RANGES AND FURNACES—7 ESTABLISHMENTS.					
Apprentices	16	309	1 44	444 96	9
Blacksmiths	2	300	2 00	600 00	10
Carpenters	7	290	2 25	652 50	9
Cupola tender	1	300	1 00	300 00	10
Engineer	1	300	1 50	450 00	10
Finishers	6	290	1 75	507 50	9
Furnace fitters	2	290	1 40	406 00	10
Grinders	6	290	1 35	391 50	9
Installers	6	300	1 71	513 00	10
Laborers	57	294	1 57	461 58	9.4
Machinist	1	310	2 25	697 50	9
Molders	62	292	3 22	930 24	8.3
Mounters	17	292	2 18	636 56	9.3
Pattern makers	2	290	3 50	1,015 00	10
Polishers	8	290	2 25	625 50	9
Sheet metal workers	20	290	2 00	580 00	9
Stove makers	29	306	1 67	501 02	10
Tinners	10	296	2 03	600 88	9.2
STRAWBOARDS AND PAPER—19 ESTABLISHMENTS.					
Acid man	1	280	1 75	490 00	10
Back tenders	12	204	1 71	348 84	11.6
Beater men	33	280	1 95	546 00	11.5
Beater men's helpers	39	276	1 45	400 20	11.8
Bleachers	7	287	1 39	398 93	10
Box makers	11	295	1 67	492 65	9.9
Calender men	5	298	1 99	593 02	9
Carpenters	3	306	2 25	688 50	10
Compositors	5	280	1 80	504 00	10
Counter	1	286	1 33	380 38	10
Cutters	11	285	1 55	441 75	10.2
Cutters (boys)	29	286	94	268 84	10.5
Dryer men	5	280	2 00	560 00	10
Engineers	28	271	2 22	601 62	11.2
Finishers	46	289	1 71	491 19	9.7
Firemen	43	281	1 78	400 18	11.4
Firemen's helpers	4	268	1 42	380 56	11
Foremen	2	222	2 75	610 50	11
Glazier	1	196	1 35	264 60	10
Laborers	246	275	1 55	426 25	10.5
Lay-off hands (boys)	2	205	90	184 50	12
Loft men	12	306	1 79	547 74	8
Machine tenders	66	260	2 34	608 40	11.1
Machine tenders' helpers	22	289	1 56	450 84	10.8
Machinists	31	299	2 39	714 61	10
Millwrights	10	272	2 17	590 24	10.7
Note paper workers	12	305	1 80	549 00	10
Oilers	2	250	2 00	500 00	12
Packers	7	280	1 60	448 00	10
Paper coaters	11	266	1 88	500 08	10.9
Paper mill hands	308	249	1 75	435 75	10.2

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

STRAWBOARDS AND PAPER—19 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pipe fitter	1	301	$1 75	$526 75	10
Porters	3	306	1 25	382 50	11
Pressmen	8	297	1 57	466 29	10
Pulp mill hands	56	305	1 75	533 75	10
Rag engineers	4	306	2 50	765 00	10.5
Rag engineers' helpers	4	306	1 67	511 02	10.5
Re-winders	2	310	1 25	387 50	12
Rotary tenders	3	284	1 72	488 48	9.3
Rotary tenders' helpers	4	240	1 50	360 00	10
Ruler	1	306	3 00	918 00	9
Shippers	12	300	1 67	501 00	10
Still hands	2	301	3 06	921 06	10
Super-calender men	4	310	1 77	548 70	12
Tablet makers	34	305	1 75	533 75	10
Teamsters	23	285	1 46	416 10	10
Teamsters (with team)	2	253	2 50	632 50	10
Trimmers	3	306	2 39	731 34	9.6
Tub house men	2	196	1 50	294 00	10
Warehouse men	10	301	1 50	451 50	10
Watchmen	6	270	1 77	477 90	12
Winder men	5	292	1 49	435 08	10.8
TINWARE, SHEET-IRON AND GALVANIZED IRON WARE—11 ESTABLISHMENTS.					
Burners	2	234	1 50	351 00	10
Carpenters	2	266	1 55	412 30	9.5
Draymen	2	308	1 40	431 20	10
Engineers	2	234	1 50	351 00	10
Galvanizers	5	240	1 25	300 00	10
Helpers	2	234	1 25	292 50	10
Labelers	4	299	1 15	343 85	10
Laborers	25	301	1 38	415 38	10
Machine hand	1	240	1 50	360 00	10
Machinists	2	229	3 00	687 00	9.7
Metal workers	35	225	2 00	450 00	9
Packers	4	299	1 15	343 85	10
Painters	2	265	1 62	429 30	9.5
Picklers	2	234	1 25	292 50	19
Pressmen	7	290	1 37	397 30	10
Sawyer	1	299	1 50	448 50	10
Sheet metal workers	3	27	1 50	40 50	10
Shipper	1	300	1 75	525 00	10
Solderers	15	299	1 25	373 75	10
Testers	5	272	1 80	489 60	9.4
Tinners	15	296	2 03	600 88	10
Tinners' assistant	1	240	2 00	480 00	10
TOBACCO (CHEWING AND SMOKING)—3 ESTABLISHMENTS.					
Casers	135	304	1 40	425 60	10
Laborer	1	90	1 35	121 50	10
Re-handlers	22	250	1 00	250 00	10
TOOLS—5 ESTABLISHMENTS.					
Blacksmiths	2	300	3 50	1,050 00	10
Blacksmiths' helpers	2	300	2 00	600 00	10
Engineers	3	293	1 97	577 21	9.6
Fitters-up	33	288	1 15	331 20	10
Forgers	37	286	1 80	514 80	9.2
Grinders	11	279	1 35	376 65	9
Hammer man	1	300	2 00	600 00	10
Handle maker	1	252	1 64	413 28	10
Machinists	19	273	2 41	655 52	9.1
Packers	2	279	1 50	418 50	9
Polishers	45	289	2 43	703 27	10

TABLE IV*g*—MANUFACTURES—VILLAGES—Continued.

TOOLS—5 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Temperer	1	279	$2 26	$630 54	9
Tool makers	11	288	2 25	648 00	10
Watchman	1	252	1 25	315 00	10
Wood workers	4	288	1 50	432 00	10
WHIPS—3 ESTABLISHMENTS.					
Engineer	1	238	1 50	357 00	10
Finishers	12	236	1 00	236 00	10
Painters	7	238	1 40	333 20	10
Platters	3	238	65	153 70	10
Shipping clerk	1	238	1 50	357 00	10
Stock makers	12	236	1 50	354 00	10
Trimmers	3	238	65	154 70	10
Watchman	1	238	1 50	357 00	10
Whip makers	11	288	1 56	459 28	10
Wood worker	1	238	1 50	357 00	10
WIRE RODS, WIRE CLOTH AND WIRE GOODS—4 ESTABLISHMENTS.					
Blacksmith	1	300	2 00	600 00	10
Coilers	2	216	1 50	324 00	10
Foremen	6	172	2 75	473 00	10
Janitor	1	300	47	141 00	10
Laborers	16	202	1 50	303 00	10
Laborers (boys)	16	202	50	101 00	10
Machine operators	5	266	1 55	412 30	10
Machinist	1	300	1 66	498 00	10
Pattern maker	1	300	1 50	450 00	10
Straightener	1	133	2 00	266 00	10
Winder	1	300	1 67	501 00	10
MISCELLANEOUS—51 ESTABLISHMENTS.					
Apprentice	1	350	1 35	472 50	9
Arch builders	2	310	1 75	542 50	10
Bailer	1	24	1 50	36 00	10
Belter	1	110	75	82 50	9.5
Blacksmiths	2	300	1 87	561 00	10
Boiler maker	1	315	3 00	945 00	9
Box makers	3	105	1 50	157 50	10
Brass molders	3	245	2 75	673 75	10
Brass workers	54	300	2 10	630 00	10
Bucket maker	1	310	1 50	465 00	10
Buffers	3	205	2 16	442 80	9
Cabinet makers	3	245	1 80	441 00	10
Carders	12	299	1 72	514 28	9.6
Carpenters	10	284	2 03	576 52	9.9
Carters	2	350	1 60	560 00	10
Carvers	2	245	1 75	418 75	10
Coal handlers	2	105	1 50	157 50	10
Coke drawers	26	350	1 42	497 00	10
Coke fillers	8	350	1 85	647 50	12
Compositors	2	306	1 67	511 02	10
Compounder	1	306	1 66	507 96	10
Compounder's assistant	1	306	1 50	459 00	10
Core makers	13	295	1 76	519 20	10
Crayon packers	2	200	1 25	250 00	8
Cutters	20	278	1 57	436 46	10
Cut off	1	24	1 35	32 40	10
Engineers	16	228	2 09	476 52	10.4
Etcher's helper	1	295	75	221 25	10
Feed handlers	2	105	1 50	157 50	10
Finishers	4	247	1 87	461 89	9.6
Firemen	9	194	1 74	337 56	9.6
Foremen	17	285	2 56	729 60	9.5

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

MISCELLANEOUS—51 ESTABLISHMENTS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Forger	1	295	$2 25	$ 663 75	10
Frame maker	1	306	1 25	382 50	10
Gilder	1	306	3 00	918 00	10
Grinders	15	235	1 82	420 70	10
Gum maker	1	290	1 50	435 00	9
Handle maker	1	306	1 50	459 00	10
Handler	1	295	1 25	368 75	10
Handler's helpers	2	295	75	221 25	10
Heel builders	8	306	1 25	382 50	10
Helpers	3	300	1 75	525 00	10
Hostlers	2	297	1 56	463 32	10
Laborers	369	273	1 29	352 17	9.5
Lapper hands	10	299	1 72	342 28	9.6
Macaroni makers	14	280	1 65	462 00	10
Machine hands	5	215	1 64	352 60	10
Machine operators	3	285	1 40	399 00	10
Machine operator (boy)	1	295	75	221 25	10
Machinists	20	285	2 63	749 55	9.6
Mason	1	350	3 50	1,225 00	10
Mattress regulators	29	299	2 20	657 80	10
Mechanics	8	99	1 81	179 19	9.2
Millers	2	105	2 16	226 80	10
Molders	32	252	1 96	493 92	9.4
Oven fillers	3	350	1 85	647 50	10
Packers	8	233	1 65	384 45	9.7
Packers' helpers	1	295	75	221 25	10
Paddlers	3	105	1 50	157 50	10
Painters	4	307	1 81	555 67	10
Pattern makers	2	300	2 12	636 00	10
Plater	1	245	2 12	519 40	10
Plumber	1	350	3 00	1,050 00	9
Polishers	10	270	2 75	742 50	10
Pressmen	1	295	1 40	413 00	10
Pippers	2	110	2 00	220 00	9
Roller	1	290	1 50	435 00	9
Sander	1	295	1 50	442 50	10
Sawyers	17	272	1 57	427 04	9.9
Scrapers	24	105	1 46	153 30	11
Sewer	1	300	83	249 00	11
Shakers	2	105	1 58	165 90	10
Shippers	20	105	1 50	157 50	10
Shipping clerk	1	306	2 00	612 00	10
Spinners	3	205	275	563 75	9
Steepers	2	105	1 50	157 50	10
Teamsters	5	282	1 76	496 32	10.2
Temperer	1	295	2 00	590 00	10
Temperer's helper	1	295	1 40	413 00	10
Tinners	3	310	2 25	697 50	10
Tool makers	3	300	2 32	696 00	10
Trimmers	4	300	1 55	465 00	10
Turners	2	110	1 30	143 00	10
Varnishers	12	251	1 64	411 64	10
Washers	18	105	1 50	157 50	10
Watchmen	5	249	1 61	400 89	10
Weaver	7	285	1 40	399 00	10
Wood workers	24	276	1 63	449 88	10

TABLE IV*g*—MANUFACTURES—VILLAGES—Continued.

ADVERTISING NOVELTIES AND SIGNS—2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Feeders	4	292	$0 65	$189 80	10
Laborers	7	294	57	167 58	10
AGRICULTURAL IMPLEMENTS—1 ESTABLISHMENT.					
Painters	5	298	1 10	327 80	10
BASKETS—3 ESTABLISHMENTS.					
Basket makers	31	235	85	199 75	8.5
Laborers	4	300	50	150 00	10
Nailers	4	127	1 00	127 00	7
BILLIARD TABLES, BAR AND STORE FIXTURES—2 ESTABLISHMENTS.					
Laborer	1	312	60	187 20	10
Varnisher	1	300	1 00	300 00	10
BOOTS AND SHOES—3 ESTABLISHMENTS.					
Fitters	20	288	56	161 28	9.8
Packers	12	291	37	107 67	10
Shoemakers	20	262	66	172 92	10
BOXES (WOODEN)—5 ESTABLISHMENTS.					
Box makers	6	250	75	187 50	9
Finishers	8	136	75	102 00	10
Gluers	2	136	25	34 50	7
Laborers	14	285	1 00	285 00	10
Paster	1	280	70	196 00	8
Trimmers	7	250	75	187 50	9
BREAD AND OTHER BAKERY PRODUCTS—15 ESTABLISHMENTS.					
Bakers	2	313	33	103 29	9
Cook	1	313	1 00	313 00	8
Dishwasher	1	313	50	156 50	8
Laborers	2	310	63	195 30	10
Pretzel rollers	7	250	70	175 00	9
Saleswomen	9	299	81	242 19	10.8
BRICK AND TILE—3 ESTABLISHMENTS.					
Laborer	1	42	1 25	52 50	10
BROOMS AND BRUSHES—3 ESTABLISHMENTS.					
Assorters	5	256	63	161 28	10
Broom maker	1	300	50	150 00	8
CANNED GOODS—20 ESTABLISHMENTS.					
Canners	140	56	1 15	64 40	8.2
Laborers	370	78	86	65 08	9.8
Peelers	37	116	67	100 92	9.3
Silkers	21	32	1 00	32 00	10
CARRIAGES AND WAGONS—8 ESTABLISHMENTS.					
Machine operators	5	300	1 00	300 00	10
Trimmers	9	287	79	226 73	9.7
Trimmers' helpers	13	266	98	260 68	10

TABLE IV*g*—MANUFACTURES—VILLAGES—Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
CIGARS—43 ESTABLISHMENTS.					
Apprentice	1	266	$ 50	$133 00	8
Bunch breakers	39	236	86	202 96	8.4
Cigar makers	69	274	79	196 46	8.7
Fillers	2	280	90	252 00	10
Janitress	1	225	1 00	225 00	10
Packers	13	286	80	228 80	8.7
Rollers	32	235	95	223 25	9
Stemmers	7	241	65	156 65	9.4
Stogie makers	12	294	71	208 74	9.8
Strippers	70	274	54	147 96	8.6
CLOTHING—74 ESTABLISHMENTS.					
Apprentices	3	292	86	251 12	10
Forewomen	4	274	1 09	298 66	10
Inspector	1	250	83	207 50	10
Laborers	3	295	67	197 65	9
Machine operators	162	280	81	226 80	8.5
Pant makers	46	293	1 00	293 00	9.2
Presser	1	250	75	187 50	10
Seamstresses	102	278	74	205 72	9.6
Tailoresses	69	276	1 07	295 32	9.3
Vest makers	37	293	1 00	293 00	9.7
COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.					
Labelers	3	210	1 50	315 00	9
Packers	2	24	80	19 20	8
CONFECTIONERY—2 ESTABLISHMENTS.					
Helpers	2	210	50	105 00	10
Wrappers	3	182	75	136 50	10
COOPERAGE—1 ESTABLISHMENT.					
Laborer	1	170	1 00	170 00	10
COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—13 ESTABLISHMENTS.					
Burlers	2	300	55	165 00	10
Carders	7	294	58	170 52	10
Cutters	7	306	1 00	306 00	10
Finishers	134	299	1 00	299 00	10
Folders	2	300	70	210 00	10
Handsewers	3	297	1 15	341 55	10
Helper	1	245	60	147 00	10
Knitters	179	282	69	194 58	10
Machine operators	6	200	52	104 00	10
Menders	8	300	67	201 00	10
Napper	1	300	65	195 00	10
Packers	6	300	85	255 00	10
Speckers	11	297	94	279 18	10
Spoolers	50	302	87	262 74	9
Warpers	6	292	52	151 84	10
Weavers	38	294	1 17	343 98	10
Winders	7	303	83	251 49	10
DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—5 ESTABLISHMENTS.					
Advertisisng department hands	63	310	1 38	427 80	9
Factory hands	7	310	1 00	310 00	8.5
Finishers	2	304	50	152 00	7.5
Laborers	22	303	1 25	378 75	9.8
Wrapper	1	216	49	105 88	7

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

ELECTRICAL GOODS AND SUPPLIES—4 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Carbon workers	24	292	$ 97	$283 24	10
Laborers	80	250	1 50	375 00	10
Decorators	3	283	1 00	283 00	8
Finishers	42	281	1 19	334 39	10
Glass workers	32	292	1 16	338 72	10
Pump room hands	14	292	1 10	321 20	10
EXTRACTS, TOILET ARTICLES AND PERFUMERY—1 ESTABLISHMENT.					
Labeler	1	75	50	37 50	10
FIREWORKS—2 ESTABLISHMENTS.					
Case makers	25	284	90	255 60	9.2
Finishers	46	280	77	215 60	9.3
FLOURING MILL PRODUCTS—1 ESTABLISHMENT.					
Miller	1	365	1 40	511 00	10
FURNITURE—9 ESTABLISHMENTS.					
Assemblers	7	297	60	178 20	7
Laborers	3	40	1 00	40 00	10
Chair caners	4	254	1 41	358 14	10
Finishers	3	281	1 75	491 75	8
Laborers	6	270	50	135 00	10
Lacquerers	1	300	1 00	300 00	10
Packers	2	306	1 10	336 60	10
Wrappers	2	208	1 00	208 00	10
GLASS AND GLASSWARE—3 ESTABLISHMENTS.					
Assorters	11	270	80	216 00	9.5
Fillers	8	262	90	235 80	10
Grinders	14	262	75	196 50	10
Selectors	11	241	67	161 47	10
Shippers	9	241	67	161 47	10
GLOVES AND MITTENS—2 ESTABLISHMENTS.					
Bench hands	10	250	50	125 00	10
Machine operators	80	295	75	221 25	10
HANDLES—1 ESTABLISHMENT.					
Laborer	1	290	75	217 50	10
HARDWARE—3 ESTABLISHMENTS.					
Laborers	24	292	78	277 76	9.6
HARNESS AND SADDLERY—4 ESTABLISHMENTS.					
Halter makers	3	300	65	195 00	7.5
Machine operators	365	166	03	170 98	10
Riveters	40	156	80	124 80	10
Seamstresses	100	156	80	124 80	10
Turners	36	156	50	78 00	10
Tyers	36	156	60	93 60	10
LIQUORS (DISTILLED)—1 ESTABLISHMENT.					
Bottlers	3	204	60	122 40	10

TABLE IVg—MANUFACTURES—VILLAGES—Continued.

MACHINERY—1 ESTABLISHMENT.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Helpers	12	303	$ 75	$217 25	9.6
MATCHES—2 ESTABLISHMENTS.					
Box makers	177	300	99	297 00	10
Laborers	4	300	1 12	336 00	10
Match makers	2	300	99	297 00	10
Packers	75	275	75	206 25	10
PAINTS AND VARNISHES—1 ESTABLISHMENT.					
Packers	5	300	1 00	300 00	10
PIANOS AND OTHER MUSICAL INSTRUMENTS—1 ESTABLISHMENT.					
Bellows makers	3	300	70	210 00	10
Decorators	2	300	75	225 00	10
Metal workers	2	300	66	198 00	10
PICKLES, PRESERVES AND SAUCES—4 ESTABLISHMENTS.					
Fillers	3	94	1 00	94 00	10
Laborers	95	121	99	119 79	10
Peelers	47	94	1 00	94 00	10
Time keepers	2	94	1 00	94 00	10
POTTERY AND STONEWARE—21 ESTABLISHMENTS.					
Bisque brushers	20	299	83	248 17	8.6
Bisque warehouse hands	19	295	95	280 25	9
Carriers	2	50	1 00	50 00	9
hlay workers	36	298	96	286 08	9
Decorators	370	298	1 16	345 68	9
Dippers	7	291	96	279 36	8.4
Drawers	22	292	91	265 72	8.2
Fettlers	2	295	90	265 50	10
Finishers	6	239	70	167 30	10
Glaziers	4	271	1 06	287 26	10
Glaziers' assistant	1	221	75	165 75	8
Glost warehouse hands	16	292	1 00	292 00	9
Helpers	12	287	83	238 21	9.9
Laborers	28	302	74	223 48	10
Mold carriers	3	220	91	200 20	9.5
Tube headers	15	239	75	179 25	10
Turners	5	239	75	179 25	10
Ware dressers	21	293	91	266 63	8.8
PRINTING AND BINDING—103 ESTABLISHMENTS.					
Apprentices	7	312	51	159 12	9.4
Binders	12	303	1 01	306 03	9.2
Compositors	164	283	82	232 06	8.9
Folders	3	316	67	211 72	9.3
Laborers	3	302	83	250 66	9
Linotype operators	3	309	2 22	685 98	8.5
Press feeder	1	310	60	186 00	10
Proof readers	2	306	1 37	419 22	8.5
Reporters	3	304	1 50	456 00	9
Stencil maker	1	300	90	270 00	9
Wax workers	3	300	85	255 00	10
Wig maker	1	240	83	199 20	8
PUMPS AND WATER WHEELS—1 ESTABLISHMENT.					
Laborer	1	250	1 50	375 00	10

TABLE IVg—MANUFACTURES—VILLAGES—Concluded.

RUBBER GOODS—5 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Cutter	1	265	$1 00	$265 00	10
Fitter	1	265	1 00	265 00	10
Hand workers	17	283	70	198 10	9.5
Inspectors	3	283	1 15	325 45	9.5
Laborers	6	250	80	200 00	10
Menders	2	264	1 20	316 80	10
Packer	1	265	1 25	331 25	10
Rubber workers	32	301	1 00	301 00	10
Takers-off	2	264	90	237 60	10
Vulcanizers	2	265	1 25	331 25	10
SALT—2 ESTABLISHMENTS.					
Laborers	10	300	1 00	300 00	10
Packers	16	365	1 50	547 50	10
STRAWBOARDS AND PAPER—12 ESTABLISHMENTS.					
Box makers	15	300	99	297 00	10
Counters	11	294	91	267 54	9.4
Cutters	12	295	81	238 95	10
Finishers	54	300	1 07	321 00	9
Laborers	6	246	90	221 40	11
Lay-off hands	1	205	90	184 50	12
Machine operators	51	286	1 05	300 30	10
Paper mill hands	125	305	85	259 25	10
Sorters	91	300	88	264 00	8.2
Tablet makers	27	305	85	259 25	10
TINWARE, SHEET-IRON AND GALVANIZED-IRON WARE—1 ESTABLISHMENT.					
Dippers	8	234	75	175 50	10
TOBACCO (CHEWING AND SMOKING)—2 ESTABLISHMENTS.					
Rehandlers	4	250	75	187 50	10
Spriggers	130	304	63	198 52	10
TOOLS—1 ESTABLISHMENT.					
Wood workers	2	288	90	259 20	10
WHIPS—3 ESTABLISHMENTS.					
Finishers	12	236	75	177 00	10
Platters	10	238	65	157 70	10
Trimmers	3	238	65	154 70	10
Whip makers	11	288	67	192 96	10
MISCELLANEOUS—20 ESTABLISHMENTS.					
Box makers	6	300	83	249 00	9
Breaders	5	105	1 00	105 00	10
Brush makers	3	283	1 00	283 00	10
Crayon packers	2	200	1 00	200 00	10
Etcher	1	295	1 00	295 00	10
Finisher	1	283	66	186 78	10
Forewoman	1	306	1 50	459 00	10
Heel builders	4	306	1 00	306 00	10
Laborers	38	248	93	231 64	9.8
Machine operators	23	297	1 12	332 64	9.6
Nailer	1	283	92	260 36	10
Packer	8	280	67	187 60	10
Robe maker	1	300	1 20	360 00	10
Rollers	3	306	58	177 48	10
Seamstresses	69	305	1 11	338 55	9.8
Shippers	5	306	75	229 50	10
Weaver	3	285	75	213 75	
Wrappers	34	299	76	227 24	

TABLE IV*gg*—MANUFACTURES—VILLAGES.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs	Compositor	1	20	.....
Agricultural implements	Blacksmiths	55	.....	15
" "	Ferrule department hands	3	.....	28
" "	Ferrule department hands	5	1	.....
" "	Finishers	3	35	.....
" "	Forge hands	23	.....	8
" "	Handle department hands	13	1	.....
" "	Harrow makers	8	17	.....
" "	Laborers	76	1	.....
" "	Machine hands	10	5	.....
" "	Machine hands	42	.....	4.5
" "	Machinists	6	4.8	.....
" "	Machinists	34	.....	11
" "	Molders	16	10	.....
" "	Molders	25	.....	25
" "	Painters	1	15	.....
" "	Painters	12	.....	15
" "	Polishers	7	18	.....
" "	Polishers	12	.....	20
" "	Rake department hands	8	.....	3
" "	Setters-up	34	15.5	.....
" "	Temperers	10	2	.....
" "	Wood workers	15	11	.....
" "	Wood workers	18	.....	2.5
Baskets	Engineer	1	25	.....
"	Fireman	1	25	.....
"	Laborers	3	7	.....
"	Machinist	1	6.2	.....
"	Sawyer	1	33.3	.....
Bicycles, bicycle sundries & automobiles	Machinists	20	10	.....
" " " "	Laborers	22	10	.....
Billiard tables, bar and store fixtures	Foreman	1	5	.....
" " " " " "	Laborers	3	5	.....
" " " " " "	Varnisher	1	5	.....
" " " " " "	Wood worker	1	5	.....
Boilers, engines and tanks	Blacksmiths	3	10	.....
" " " "	Blacksmiths	12	.....	6.7
" " " "	Boilermakers	33	.....	5.3
" " " "	Boilermakers' helpers	6	10	.....
" " " "	Carpenters and painters	21	1.7	.....
" " " "	Drill pressmen	4	10	.....
" " " "	Engineer	1	16	.....
" " " "	Laborers	292	1.7	.....
" " " "	Machinists	47	10	.....
" " " "	Machinists	70	.....	2.3
" " " "	Machinists' helpers	343	6.5	.....
" " " "	Molders	90	2.5	.....
" " " "	Molders' helpers	12	10	.....
" " " "	Molders' helpers	67	.....	2.6
" " " "	Pattern makers	7	4.6	.....
" " " "	Sheet-iron workers	27	2.4	.....
Boxes (wooden)	Nailers	2	25	.....
"	Printer	1	25	.....
Bread and other bakery products	Bakers	4	15	.....
Brick and tile	Blacksmiths	3	7	.....
" " "	Brick makers	169	12.6	.....
" " "	Brick and tile makers	128	.....	10
" " "	Brick tenders	4	10	.....
" " "	Burners	21	9.9	.....
" " "	Burners' assistants	5	4.6	.....
" " "	Carpenter	1	10	.....
" " "	Cart men	5	11.2	.....
" " "	Clay miners	91	9.7	.....
" " "	Coal miners	15	12.5	.....
" " "	Core maker	1	5	.....
" " "	Cut-off	1	15	.....
" " "	Draughtsman	1	5	.....
" " "	Drawers	4	16	.....
" " "	Dryers	13	11.2	.....
" " "	Drum man	1	10	.....
" " "	Dumpers	4	8.3	.....

TABLE IV*gg*—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Brick and tile	Elevator man	1	25	.....
" " "	Engineers	21	10.4	.....
" " "	Firemen	23	11.2	.....
" " "	Foremen	5	11	.....
" " "	Foremen's assstant	1	12.5	.....
" " "	Helpers	2	10	.....
" " "	Hostler	1	10	.....
" " "	Kiln hands	5	8	.....
" " "	Laborers	602	10.9	.....
" " "	Loaders	28	15.8	.....
" " "	Machine hands	20	9.3	.....
" " "	Machinists	10	11	.....
" " "	Miners	43	5.2	.....
" " "	Mixer	1	15	.....
" " "	Molders	31	11.6	.....
" " "	Offleavers	14	12.1	.....
" " "	Pilers	2	7.5	.....
" " "	Pitchers	4	12	.....
" " "	Pressmen	19	10.9	.....
" " "	Pressmen's helpers	2	10	.....
" " "	Repairers	5	18.8	.....
" " "	Screen tenders	5	11	.....
" " "	Setters	30	15.8	.....
" " "	Shaders	2	10	.....
" " "	Shovelers	21	6.5	.....
" " "	Strikers	1	6.6	.....
" " "	Teamsters	15	9.2	.....
" " "	Temperers	3	7.8	.....
" " "	Temperers' helper	1	12	.....
" " "	Tile makers	20	16.5	.....
" " "	Tossers	2	7.5	.....
" " "	Transfer man	1	7.5	.....
" " "	Trimmers	3	8	.....
" " "	Truckers	19	9.2	.....
" " "	Watchman	1	10	.....
" " "	Weighmaster	1	10	.....
" " "	Wheelers	98	13.4	.....
" " "	Woodworkers	10	5	.....
Brooms and brushes	Tyer's assistant	1	25	.....
Canned goods	Engineer	1	12.5	.....
" "	Huskers	20	.6	.....
" "	Laborers	75	11.9	.....
" "	Machine hands	10	25	.....
Carriages and wagons	Blacksmiths	2	.....	10
" " "	Blacksmiths	8	7.3	.....
" " "	Blacksmiths' helpers	2	8.2	.....
" " "	Body makers	7	4.2	.....
" " "	Craters	4	2	.....
" " "	Machinist	1	10	.....
" " "	Painters	1	.....	10
" " "	Painters	8	9.6	.....
" " "	Painters' helpers	2	4	.....
" " "	Trimmers	7	.....	1.5
" " "	Trimmers	6	7.5	.....
" " "	Wood workers	1	.....	10
" " "	Wood workers	5	5.7	.....
Carriage and wagon material	Benders	10	10	.....
" " " "	Engineer	1	6	.....
" " " "	Foremen	2	17	.....
" " " "	Inspector	1	10	.....
" " " "	Wheel makers	123	2.5	.....
" " " "	Wood workers	16	10	.....
Car and car furnishings	Blacksmiths	6	.....	5
" " " "	Car builders	105	.....	5
" " " "	Carpenters	20	.....	5
" " " "	Laborers	29	.....	5
" " " "	Machinists	5	.....	5
" " " "	Mill hands	30	.....	5
" " " "	Painters	30	.....	5
Churns	Handle turner	1	10	.....
"	Machine hands	6	9	.....

TABLE IV*gg*—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Churns	Teamster	1	10	.....
Cigars	Cigar makers	2	30	.....
"	Stogie makers	13	9.5	.....
Clothing	Coat makers	3	25	.....
"	Cutters	2	25	.....
"	Packers	1	25	.....
"	Tailors	2	10	.....
Confectionery	Ice cream maker	1	15	.....
Cooperage	Coilers	2	10	.....
"	Coilers' helper	1	8	.....
"	Coopers	5	10	.....
"	Culler	1	25	.....
"	Cutters	6	15	.....
"	Edger	1	8	.....
"	Firemen	3	10.5	.....
"	Laborers	116	12.6	.....
"	Lappers	2	10	.....
"	Lappers' helper	1	22	.....
"	Log man	1	8	.....
"	Machine hands	18	20	.....
"	Planers	5	16	.....
"	Planer (boy)	1	20	.....
"	Pointer	1	25	.....
"	Pullers	2	6	.....
"	Sawyers	5	13.2	.....
"	Setter	1	8	.....
"	Teamsters	17	9.7	.....
"	Watchmen	2	6.5	.....
"	Yardmen	2	8	.....
Cotton & woolen goods (knit & woven)	Engineer	1	9	.....
" " " " "	Loom boss	1	5	.....
Dairy products	Butter makers	13	11.2	.....
" "	Creamery helpers	4	18.3	.....
" "	Driver	1	20	.....
" "	Ice cream maker	11	2.4	.....
" "	Skim station operators	11	10	.....
" "	Teamsters	15	9.4	.....
Drugs, chemicals & druggists' sundries	Bottle washer	1	14	.....
" " " "	Laborers	28	12	.....
Fireworks	Case makers	15	8.3	.....
"	Finishers	16	8.3	.....
Flouring mill products	Apprentice	1	1	.....
" " "	Elevator man	1	16.7	.....
" " "	Engineer	1	.....	33.3
" " "	Engineers	18	14.2	.....
" " "	Firemen	2	15	.....
" " "	Floorman	6	7	.....
" " "	Laborers	33	11.5	.....
" " "	Miller	1	.....	12.5
" " "	Millers	29	11.7	.....
" " "	Packers	8	9.6	.....
" " "	Teamsters	14	17	.....
Foundry and machine shop products	Blacksmith	1	25	.....
" " " " "	Laborers	4	.....	11.2
" " " " "	Laborers	14	7	.....
" " " " "	Machinists	16	13.8	.....
" " " " "	Molders	13	10	.....
" " " " "	Sheet-iron workers	5	5	.....
Furniture	Apprentices	5	10	.....
"	Bench hands	12	10	.....
"	Cabinet makers	42	9	.....
"	Engineers	5	10	.....
"	Finishers	36	7.3	.....
"	Foremen	2	14	.....
"	Gluers	4	5	.....
"	Laborers	25	10	.....
"	Machine hands	156	10	.....
"	Machine hands' assistants	9	13.7	.....
"	Packers	16	9.2	.....
"	Polishers	4	5	.....
"	Sanders	8	10	.....

TABLE IV*gg*—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Furniture	Sawyers	2	7.5	.....
"	Teamsters	7	8.5	.....
"	Teamsters (with team)	2	15	.....
"	Upholsterers	6	12.9	.....
"	Varnishers	9	5.5	.....
Gas and electricity	Apprentice	1	50	.....
" " "	Electrician	1	5	.....
" " "	Engineers	2	.....	10
" " "	Engineers	17	8.9	.....
" " "	Firemen	7	13.5	.....
" " "	Foreman	1	4	.....
" " "	Gas makers	2	5	.....
" " "	Helpers	1	40	.....
" " "	Lineman	1	10	.....
" " "	Trimmer	1	10	.....
Glass and glassware	Bricklayers	24	7.3	.....
" " "	Electrical dept. employes	5	2.8	.....
" " "	Engineers	10	8.1	.....
" " "	Gas producers	26	.....	1.2
" " "	Glass workers	85	10	.....
" " "	Mixers	5	1.3	.....
" " "	Packers	11	3.2	.....
" " "	Plaster mill employes	3	16.4	.....
" " "	Pottery employes	29	14.4	.....
Handles	Engineer	1	11	.....
"	Finishers	11	5.6	.....
"	Laborers	50	8.9	.....
"	Packers	2	5	.....
"	Sanders	5	5	.....
"	Sawyers	12	9.8	.....
"	Shavers	8	8	.....
"	Turners	11	9	.....
Harness and saddlery	Benders	4	12	.....
" " "	Foreman	1	33.3	.....
" " "	Harness makers	31	10	.....
" " "	Saddle makers	35	5	.....
Ice (artificial)	Engineers	4	13.7	.....
" "	Laborers	5	12	.....
" "	Tank men	2	20	.....
" "	Teamsters	10	10	.....
Leather and leather goods	Tanners	7	10	.....
Lime, sand, cement and plaster	Burners	8	10	.....
" " " " "	Drawers	2	10	.....
" " " " "	Driller	1	15	.....
" " " " "	Engineers	3	12.7	.....
" " " " "	Firemen	4	12.5	.....
" " " " "	Foreman	1	3.3	.....
" " " " "	Laborers	9	6.6	.....
" " " " "	Mill hands	54	5.9	.....
" " " " "	Mixer	1	10	.....
" " " " "	Quarrymen	88	8.5	.....
" " " " "	Warehouse men	12	10	.....
Liquors (distilled)	Bottlers	3	5	.....
" "	Cellar men	3	10	.....
" "	Distiller	1	10	.....
" "	Engineer	1	10	.....
" "	Fermenters	5	10	.....
" "	Fireman	1	10	.....
" "	Helpers	6	10	.....
" "	Yeast maker	1	10	.....
Machinery	Blacksmiths	12	24.7	.....
"	Blacksmiths' helpers	4	22.5	.....
"	Boiler makers	3	11	.....
"	Carpenters	6	15	.....
"	Core makers	3	35	.....
"	Engineers	2	10	.....
"	Erectors	3	10	.....
"	Fireman	1	16	.....
"	Laborers	42	10.3	.....
"	Machine hands	31	12.6	.....
"	Machine hands' helpers	3	10	.....

TABLE IV*gg*—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Machinery	Machinists	68	6.5	.....
"	Machinists' apprentices	5	10	.....
"	Molders	26	10.7	.....
"	Molders' apprentices	4	40	.....
"	Pattern maker	1	5	.....
"	Painters	2	5	.....
"	Watchman	1	15	.....
"	Wood worker	1	25	.....
Marble and granite	Cutters	2	15	.....
Pickles, preserves and sauces	Foreman	1	10	.....
Pottery and stoneware	Burners	2	17	.....
" " "	Clay workers	115	2	.....
" " "	Decorators	10	5	.....
" " "	Drawers	6	16.7	.....
" " "	Engineers	6	17.7	.....
" " "	Fireman	1	5	.....
" " "	Jigger men	2	20	.....
" " "	Jolly men	2	33.3	.....
" " "	Laborers	27	11.2	.....
" " "	Packers	2	25	.....
" " "	Potters	10	10	.....
" " "	Turners	2	20	.....
" " "	Watchman	1	8.1	.....
Printing and binding	Apprentices	2	17.5	.....
" " "	Compositors	31	13.3	.....
" " "	Compositors	5	.....	18
" " "	Engineer	1	5	.....
" " "	Fireman	1	20	.....
" " "	Foremen	6	18.5	.....
" " "	Janitor	1	25	.....
" " "	Laborers	13	10	.....
" " "	Machinist	15	10	....
" " "	Shipping clerks	25	5	.....
" " "	Tinners	11	10	.....
" " "	Wax workers	88	12	.....
Pumps and water wheels	Core maker	1	8	.....
" " " "	Drillers (boys)	3	.....	11
" " " "	Engineer	1	21	.....
" " " "	Laborers	8	4.3	.....
" " " "	Mechanics	5	10	.....
Rubber goods	Cutters	2	10	.....
" "	Laborers	2	10	.....
" "	Machine operators	2	10	.....
" "	Mill men	5	6.2	.....
" "	Pressmen	4	8	.....
" "	Weighers	2	6.2	.....
Salt	Ash hauler	1	10	.....
"	Brine tenders	2	7.7	.....
"	Carpenters	2	5	.....
"	Engineers	2	16.7	.....
"	Firemen	8	7.5	.....
"	Laborers	1	25	.....
"	Lifters	15	8	.....
"	Miners	16	12.5	.....
"	Teamsters	5	22.9	.....
"	Watchman	1	8	.....
Sash, doors, lumber and interior finish	Apprentices	2	10	.....
" " " " " "	Carpenters	81	9.9	.....
" " " " " "	Engineers	5	13	.....
" " " " " "	Firemen	2	8.3	.....
" " " " " "	Foremen	4	10	.....
" " " " " "	Helpers	9	5	.....
" " " " " "	Laborers	54	11.7	.....
" " " " " "	Machine men	39	11.1	.....
" " " " " "	Machinists	14	11.5	.....
" " " " " "	Mill hands	31	14	.....
" " " " " "	Mill hands	118	.....	8.5
" " " " " "	Offbearers	2	20	.....
" " " " " "	Sawyers	6	11.6	.....
" " " " " "	Setters	2	14	.....
" " " " " "	Teamsters	98	14.7	.....

TABLE IVgg—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Sash, doors, lumber and interior finish	Timber cutters	12	14.1	.....
" " " " " "	Turners	5	5	.....
" " " " " "	Varnishers	3	10	.....
" " " " " "	Watchman	1	10	.....
" " " " " "	Yardmen	6	10	.....
Slaughtering and meat packing	Butchers	18	9	.....
Soda and mineral waters	Bottle washer	1	20	.....
Steel, iron and tin	Bench men	136	14	.....
" " " "	Blacksmith	12	12	.....
" " " "	Blacksmiths' helper	1	16.6	.....
" " " "	Blast tenders	2	12.8	.....
" " " "	Brick masons	8	3	.....
" " " "	Cagers	2	12.5	.....
" " " "	Carpenters	10	10.6	.....
" " " "	Cart men	3	12.5	.....
" " " "	Casthouse men	22	13.5	.....
" " " "	Chemist's assistants	2	16.3	.....
" " " "	Cinder men	19	13.2	.....
" " " "	Crib tender	1	6.2	.....
" " " "	Cutters	26	16.5	.....
" " " "	Engineers	10	9.5	.....
" " " "	Engineer	1	.....	25
" " " "	Fillers	65	12.5	.....
" " " "	Firemen	18	11.8	.....
" " " "	Foremen	19	6.5	.....
" " " "	Gin hand	1	10	.....
" " " "	Grader	1	10	.....
" " " "	Gutter men	12	9.5	.....
" " " "	Helpers	9	12.5	.....
" " " "	Keepers	8	11	.....
" " " "	Laborers	328	8.6	.....
" " " "	Limestone pounder	3	11.6	.....
" " " "	Loaders	4	12.5	.....
" " " "	Machinists	34	12.6	.....
" " " "	Machinists' helpers	1	16.6	.....
" " " "	Miners	34	10.3	.....
" " " "	Ore burner	1	10	.....
" " " "	Ore pounder	1	10	.....
" " " "	Piercers	25	6.6	.....
" " " "	Pipe fitters	6	13	.....
" " " "	Railway employes	8	13.8	.....
" " " "	Rollers	70	6.6	.....
" " " "	Setter	1	12.5	.....
" " " "	Stove tender	4	12.5	.....
" " " "	Teamsters	50	14.3	.....
Stone (cut, sawed and artificial)	Blacksmiths	2	14	.....
" " " " "	Cutters	5	20	.....
" " " " "	Engineers	13	4.7	.....
" " " " "	Firemen	2	5	.....
" " " " "	Foreman	1	15	.....
" " " " "	Quarrymen	31	8.9	.....
" " " " "	Quarrymen	5	.....	12.5
" " " " "	Sawyer	1	.....	16.7
" " " " "	Wood workers	2	7	.....
Stoves, ranges and furnaces	Capenters	7	.....	10
" " " "	Furnace fitters	2	7.5	.....
" " " "	Molders	4	5	.....
" " " "	Molders	50	.....	10
" " " "	Mounters	12	.....	10
" " " "	Polishers	8	.....	10
" " " "	Sheet metal workers	20	.....	10
" " " "	Tinners	6	.....	10
Strawboards and paper	Back tenders	4	7	.....
" " "	Beater men	8	8.8	.....
" " "	Bleacher men	7	6	.....
" " "	Box makers	6	4	.....
" " "	Calender men	2	8	.....
" " "	Compositors	7	4.7	.....
" " "	Cutters (boys)	6	13.6	.....
" " "	Engineer	6	7.6	.....
" " "	Finishers	6	10.8	.....

TABLE IV*gg*—MANUFACTURES—VILLAGES—Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Strawboards and paper	Firemen	2	9	.....
" " "	Glazer	1	8	.....
" " "	Helpers	4	12.5	.....
" " "	Laborers	59	16.7	.....
" " "	Machine tenders	12	10.3	.....
" " "	Machinists	25	4.7	.....
" " "	Millwrights	3	13.2	.....
" " "	Note paper workers	12	10	.....
" " "	Paper mill hands	278	10	.....
" " "	Pulp mill hands	56	10	.....
" " "	Shipping c erks	12	4	.....
" " "	Tablet makers	34	10	.....
" " "	Teamster	1	15	.....
" " "	Tubhouse men	2	20	.....
" " "	Warehouse men	10	2	.....
Whips	Whip makers	11	15	.....
Wire rods, wire cloth and wire goods	Machine operator	1	16.7	.....
" " " " " " "	Winder	1	16.7	.....
Miscellaneous	Blacksmith	1	10	.....
"	Carders	12	4	.....
"	Carpenters	7	4	.....
"	Core makers	9	5	.....
"	Cutters	4	16.3	.....
"	Finishers	54	5	.....
"	Foremen	11	8	.....
"	Laborers	37	11.4	.....
"	Lappers	10	4	.....
"	Machine operators	2	8	.....
"	Machinists	12	5.8	.....
"	Miscellaneous	124	3	.....
"	Molders	10	5	.....
"	Molders	3	.....	12.5
"	Painters	2	10	.....
"	Polishers	5	.....	16.7
"	Sawyer	1	8	.....
"	Teamster	1	8	.....
"	Tool maker	3	5	.....
"	Watchmen	2	5	.....
"	Weavers	7	10	.....
"	Wood workers	11	2.8	.....
Totals and averages		7,281	9.6	.....
		1,056	.....	8.2

TABLE IV*gg*—MANUFACTURES—VILLAGES—Concluded.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1903.

Industries.	Occupation — Female.	Number of employes.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs	Feeders	4	20	.....
" " " "	Laborers	6	10	.....
Boxes (wooden)	Box finishers	10	50	.....
Canned goods	Laborers	29	14.7	.....
" "	Silkers	21	11.1	.....
Carriages and wagons	Trimmers	3	.....	7
Clothing	Pant makers	2	25	.....
"	Tailoresses	9	10.8	.....
Cotton & woolen goods (knit & woven)	Burlers	2	10	.....
" " " " "	Machine operator	1	.....	5
" " " " "	Spinners	22	17.5	.....
" " " " "	Spoolers	50	17.5	.....
" " " " "	Warpers	1	7	.....
" " " " "	Weavers	25	44.5	.....
Drugs, chemicals & druggists' sundries	Advertising dept. hands	63	9	.....
" " " "	Laborers	7	7	.....
Fireworks	Case makers	15	8.3	.....
"	Finishers	16	8.3	.....
Harness and saddlery	Laborers	25	5	.....
Pottery and stoneware	Clay workers	15	3	.....
" " "	Decorators	100	8.3	.....
" " "	Drawers	9	15	.....
" " "	Glazers	3	11.6	.....
" " "	Laborers	5	10	.....
" " "	Mold carrier	1	50	.....
Printing and binding	Binders	2	19.5	.....
" " "	Compositors	34	22.3	.....
" " "	Machine operator	1	15	.....
" " "	Wax workers	3	10	.....
Rubber goods	Hand workers	17	16.7	.....
" "	Inspectors	3	8	.....
Salt	Packers	16	11.1	.....
Strawboards and paper	Cutters	3	20	.....
" " "	Laborers	6	4	.....
" " "	Note paper workers	16	10	.....
" " "	Paper mill hands	42	10	.....
" " "	Pulp mill hands	56	10	.....
" " "	Tablet makers	34	10	.....
Tobacco (chewing and smoking)	Laborer	1	8	.....
Whips	Finishers	12	20	.....
"	Whip workers	9	11.2	.....
Miscellaneous	Laborers	43	4	.....
"	Miscellaneous	8	1.5	.....
Totals and averages	.....	746	12.6	.....
		4	.....	6.5

MANUFACTURES.

RECAPITULATION.

The following abstract shows the leading facts relative to the ten principal manufacturing industries from which returns have been received, for the year 1903, together with a comparison for the year 1902. The figures for 1902, with which the comparisons are made, are taken from the returns of that year as shown in the last report of this Bureau.

The table below gives the value of goods produced or manufactured for the years 1902 and 1903, showing increase or decrease, and also giving the number of establishments reporting each year, in each of the ten industries.

Industry.	No. establishments reporting.		Value of goods produced or manufactured.		Increase or decrease	
	1902	1903	1902	1903	Increase	Decrease.
Boilers, engines and tanks	100	126	$19,830,924 23	$23,040,835 70	$3.209,911 47	.....
Boots and shoes	58	61	20,723,765 06	23,632,918 99	2,909,153 93	.....
Clothing	278	767	24,809,915 29	31,334,285 62	6,524,370 33	.....
Flouring mill products	199	381	28,881,057 57	33,708,729 73	4,827,672 16	.....
Foundry and machine shop products	269	334	51,092,639 83	56,808,781 49	5,716,141 66	.....
Liquors (malt and distilled)	125	148	26,100,372 47	27,860,714 99	1,760,342 52	.....
Machinery	223	249	36,393,734 68	41,064,073 65	4,670,338 97	.....
Printing and binding	375	640	12,775,762 57	15,694,229 01	2,918,466 44	.....
Sash, doors lumber and interior finish	275	375	16,464,021 62	18,080,948 80	1,616,927 18	.....
Steel, iron and tin	90	94	123,928,781 71	114,355,561 74	.....	$9,573,219 97

Steel, iron and tin, measured by the value of goods manufactured, shows the largest volume of business for the year 1903. It also shows a decrease of over $9,000,000 as compared with the year 1902.

All other lines of manufacture show a marked increase over the previous year.

The following table shows the amount of capital invested in grounds, buildings and machinery.

Industry.	No. establishments reporting.		Capital invested in grounds, buildings and machinery		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks	100	126	$11,032,421 00	$14,396,156 00	$3,363,735 00	.....
Boots and shoes	58	61	4,633,923 00	3,962,527 00	.....	$671,396 00
Clothing	278	767	3,273,213 00	3,803,343 00	530,130 00	.....
Flouring mill products	199	381	5,308,672 00	6,478,132 00	1,169,460 00	.....
Foundry and machine shop products	269	334	18,910,873 00	20,264,119 00	1,353 246 00	.....
Liquors (malt and distilled)	125	148	27,740,203 00	30,658,342 00	2,918,139 00	.....
Machinery	223	249	18,317,519 00	21,919,920 00	3,602,401 00	.....
Printing and binding	375	640	11,730,542 00	13,980,798 00	2,250,256 00	.....
Sash, doors, lumber and interior finish	275	375	5,168,212 00	6,144,393 00	976,181 00	.....
Steel, iron and tin	90	94	39,628 909 00	43,460,013 00	3,831,104 00	.....

The following table shows amount paid for rent, taxes and insurance.

Industry	No. establishments reporting.		Amount paid for rent, taxes and insurance.		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks	100	126	$191,395 96	$272,077 87	$80,681 91	.....
Boots and shoes	58	61	210,791 26	244,152 58	33,361 32	.....
Clothing	278	767	583,839 99	815,188 88	231,348 89	.....
Flouring mill products	199	381	246,009 95	301,269 54	55,259 59	.....
Foundry and machine shop products	269	334	467,219 69	541,311 10	74,091 41	.....
Liquors (malt and distilled)	125	148	656,395 16	790,893 27	134,498 11	.....
Machinery	223	249	451,666 93	525,303 18	73,636 25	.....
Printing and binding	375	640	412,870 92	529,586 83	116,715 91	.....
Sash, doors, lumber and interior finish	275	375	331,315 54	401,537 93	70,222 39	.....
Steel, iron and tin	90	94	609,047 50	735,151 62	126,104 12	.....

The following table shows the number of persons employed (monthly average) exclusive of salaried officials and office help.

Industry.	No. establishments reporting.		Total number persons employed.		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks	100	126	10,800	12,480	1,680	.....
Boots and shoes	58	61	13,660	14,543	883	.....
Clothing	278	767	11,667	16,358	4,691	.....
Flouring mill products	199	381	2,522	3,012	490	.....
Foundry and machine shop products	269	334	27,217	30,890	3,673	.....
Liquors (malt and distilled)	125	148	4,391	4,669	278	.....
Machinery	223	249	18,302	21,087	2,785	.....
Printing and binding	375	640	8,614	10,641	2,027	.....
Sash, doors, lumber and interior finish	275	375	7,188	8,086	898	.....
Steel, iron and tin	90	94	37,813	37,875	62	.....

The above figures include both sexes. The proportion of female operatives to that of male is shown to be greatest in the following industries: Boots and shoes has 8,699 male employes and 5,874 females; clothing, 6,385 male employes and 9,973 females; printing and binding, 7,182 male employes and 3,459 females.

The following table shows the amount paid in wages, exclusive of salaried officials, salesmen and office help.

Industry.	No. establishments reporting.		Amount paid in wages.		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks	100	126	$6,887,761 67	$6,946,383 19	$58,621 52	.....
Boots and shoes	58	61	4,593,602 58	5,073,942 43	480,339 85	.....
Clothing	278	767	5,147,906 29	7,415,504 92	2,267,598 63	.....
Flouring mill products	199	381	1,181,607 25	1,426,683 47	245,076 22	.....
Foundry and machine shop products	269	334	14,699,340 89	17,059,327 45	2,359,986 56	.....
Liquors (malt and distilled)	125	148	2,909,742 64	3,112,755 06	203,012 42	.....
Machinery	223	249	10,471,369 54	12,299,745 00	1,828,375 46	.....
Printing and binding	375	640	4,016,539 30	5,015,974 53	999,435 23	.....
Sash, doors, lumber and interior finish	275	375	3,207,407 79	4,095,634 64	888,226 85	.....
Steel, iron and tin	90	94	24,948,054 81	24,057,613 68	.....	890,441 13

The following table shows the number of superintendents, salesmen and office help (monthly average).

Industry.	No. establishments reporting.		Number superintendents', salesmen and office help.		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks	100	126	625	783	158	.....
Boots and shoes	58	61	1,060	1,107	47	.....
Clothing	278	767	1,442	1,709	267	.....
Flouring mill products	199	381	438	484	46	.....
Foundry and machine shop products	269	334	1,747	2,343	596	.....
Liquors (malt and distilled)	125	148	809	865	56	.....
Machinery	223	249	1,772	1,937	165	.....
Printing and binding	375	640	1,126	1,430	304	.....
Sash, doors, lumber and interior finish	275	375	726	793	67	.....
Steel, iron and tin	90	94	1,356	1,458	102	.....

The following table shows the amount paid superintendents, salesmen and office help.

Industry.	No. establishments reporting.		Amount paid superintendents, salesmen and office help.		Increase or decrease.	
	1902	1903	1902	1903	Increase.	Decrease.
Boilers, engines and tanks	100	126	$650,206 44	$859,208 64	$209,002 20	.....
Boots and shoes	58	61	1,199,185 92	1,260,615 96	61,430 04	.....
Clothing	278	767	1,582,666 80	1,813,221 12	230,554 32	.....
Flouring mill products	199	381	413,070 96	398,661 96	.....	14,409 00
Foundry and machine shop products	269	334	1,969,670 88	3,919,931 64	1,950,260 76	.....
Liquors (malt and distilled)	125	148	1,216,584 96	1,295,856 12	79,271 16	.....
Machinery	223	249	1,868,800 56	2,123,445 36	254,644 80	.....
Printing and binding	375	640	984,661 32	1,208,461 32	223 800 00	.....
Sash, doors, lumber and interior finish	275	375	586,226 64	683,508 36	97,281 72	.....
Steel, iron and tin	90	94	1,494,401 52	1,710,307 92	215,906 40	.....

We now present a separate table for each of the ten principal industries reporting, also making comparisons between the years of 1902 and 1903 and giving information in greater detail regarding them.

BOILERS, ENGINES AND TANKS.

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting	100	126	26	.....
Capital invested in grounds, buildings and machinery	$11,032,421 00	$14,396,156 00	3,363,735 00	.....
Value of goods produced or manufactured	19,830,924 23	23,040,835 70	3,209,911 47	.....
Amount paid for rent, taxes and insurance	191,395 96	272,077 87	80,681 91	.....
Amount paid in wages	6,887,761 67	6,946,383 19	58,621 52	.....
Amount paid superintendents, salesmen and office help	650,206 44	859,208 64	209,002 20	.....
Total number persons employed (monthly average)	10,800	12,480	1,680	.....
Number superintendents, salesmen and office help (monthly average)	625	783	158	.....

BOOTS AND SHOES.

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting	58	61	3	.....
Capital invested in grounds, buildings and machinery	$4,633,923 00	$3,962,527 00	.....	$671,396 00
Value of goods produced or manufactured	20,723,765 06	23,632,918 99	$2,909,153 93	.....
Amount paid for rent, taxes and insurance	210,791 26	244,152 58	33,361 32	.....
Amount paid in wages	4,593,602 58	5,073,942 43	480,339 85	.....
Amount paid superintendents, salesmen and office help	1,199,185 92	1,260,615 96	61,430 04	.....
Total number persons employed (monthly average)	13.660	14,543	883	.....
Number superintendents, salesmen and office help (monthly average)	1,060	1,107	47	.....

CLOTHING.

C assification.	1902	1903	Increase.	Decrease.
Number of establishments reporting	278	767	489	.....
Capital inverted in grounds, buildings and machinery	$3,273,213 00	$3,803,343 00	$530,130 00	.....
Value of goods produced or manufactured	24,809,915 29	31,334,285 62	6,524,370 33	.....
Amount paid for rent, taxes and insurance	583,839 99	815,188 88	231,348 89	.....
Amount paid in wages	5,147,906 29	7,415,504 92	2.267,598 63	.....
Amount paid superintendents, salesmen and office help	1,582,666 80	1,813,221 12	230,554 32	.....
Total number persons employed (monthly average)	11,667	16,358	4,691	.....
Number superintendents, salesmen and office help (monthly average)	1,442	1,709	267	.....

FLOURING MILL PRODUCTS.

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting	199	381	182	.....
Capital inverted in gsounds, buildings and machinery	$5,308,672 00	$6,478,132 00	$1,169,460 00	.....
Value of goods produced or manufactured	28,881,057 57	33,708,729 73	4,827,672 16	.....
Amount paid for rent, taxes and insurance	246,009 95	301,269 54	55,259 59	.....
Amount paid in wages	1,181,607 25	1,426,683 47	245,076 22	.....
Amount paid superintendents, salesmen and office help	413,070 96	398,661 96	.....	$14,409 00
Total number persons employed (monthly average)	2,522	3,012	490	.....
Number superintendents, salesmen and office help (monthly average)	438	484	46	.....

FOUNDRY AND MACHINE SHOP PRODUCTS.

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting	269	334	65	.....
Capital invested in grounds, buildings and machinery	$18,910,873 00	$20,264,119 00	$1,353,246 00	.....
Value of goods produced or manufactured	51,092,639 83	56,808,781 49	5,716,141 66	.....
Amount paid for rent, taxes and insurance	467,219 69	541,311 10	74,091 41	.....
Amount paid in wages	14,699,340 89	17,059,327 45	2,359,986 56	.....
Amount paid superintendents, salesmen and office help	1,969,670 88	3,919,931 64	1,950,260 76	.....
Total number persons employed (monthly average)	27,217	30,890	3,673	.....
Number superintendents, salesmen and office help (monthly average	1,747	2,343	596	.....

LIQUORS (MALT AND DISTILLED).

Classification.	1902	1903	Increase.	Decrease.
Number of establishments reporting	125	148	23	.....
Capital invested in grounds, buildings and machinery	$27,740,203 00	$30,658,342 00	$2,918,139 00	.....
Value of goods produced or manufactured	26,100,372 47	27,860,714 99	1,760,342 52	.....
Amount paid for rent, taxes and insurance	656,395 16	790,893 27	134,498 11	.....
Amount paid in wages	2,909,742 64	3,112 755 06	203,012 42	.....
Amount paid superintendents, salesmen and office he p	1,216,584 96	1,295,856 12	79,271 16	.....
Total number persons employed (monthly average)	4,391	4,669	278	.....
Number superintendents, salesmen and office he p (monthly average)	809	865	56	.....

MACHINERY.

Classification	1902	1903	Increase.	Decrease.
Number of establishments reporting	223	249	26	.....
Capital invested in grounds, buildings and machinery	$18,317,519 00	$21,919,920 00	$3,602,401 00	.....
Value of goods produced or manufactured	36,393,734 68	41,064,073 65	4,670,338 97	.....
Amount paid for rent, taxes and insurance	451,666 93	525,303 18	73,636 25	.....
Amount paid in wages	10,471,369 54	12,299,745 00	1,828,375 46	.....
Amount paid superintendents, salesmen and office help	1,868,800 56	2,123,445 36	254,644 80	.....
Total number persons employed (monthly average)	18,302	21,087	2,785	.....
Number superintendents, salesmen and office help (monthly average)	1,772	1,937	165	.....

PRINTING AND BINDING.

Classification.	1902	1902	Increase.	Decrease.
Number of establishments reporting	375	640	265	.....
Capital invested in grounds, buildings and machinery	$11,730,542 00	$13 980,798 00	$2,250,256 00	.....
Value of goods produced or manufactured	12,775,762 57	15,694,229 01	2,918,466 44	.....
Amount paid for rent, taxes and insurance	412,870 92	529,586 83	116,715 91	.....
Amount paid in wages	4,016,539 30	5,015,974 53	999,435 23	.....
Amount paid superintendents, salesmen and office help	984,661, 32	1,208,461 32	223,800 00	.....
Total number persons employed (monthly average)	8,614	10,641	2,027	.....
Number superintendents, salesmen and office help (monthly average)	1,126	1,430	304	.....

SASH, DOORS, LUMBER AND INTERIOR FINISH.

Classification.	1902	1903	Increase	Decrease.
Number of establishments reporting	275	375	100	.....
Capital invested in grounds, buildings and machinery	$5,168,212 00	$6,144,393 00	$976,181 00	.....
Value of goods produced or manufactured	16,464,021 62	18,080,948 80	1,616,927 18	.....
Amount paid for rent, taxes and insurance	331,315 54	401,537 93	70,222 39	.....
Amount paid in wages	3,207,407 79	4,095,634 64	888,226 85	.....
Amount paid superintendents, salesmen and office help	586,226 64	683,508 36	97,281 72	.....
Total number persons employed (monthly average)	7,188	8,086	898	.....
Number superintendents, salesmen and office help (monthly average)	726	793	67	.....

STEEL, IRON AND TIN.

Classification	1902	1903	Increase.	Decrease.
Number of establishments reporting	90		4	.....
Capital invested in grounds, buildings and machinery	$39,628,909 00	$43,460,013 00	$3,831,104 00	.....
Value of goods produced or manufactured	123,928,781 71	114,355,561 74	.....	$9,573,219 97
Amount paid for rent, taxes and insurance	609,047 50	735,151 62	126,104 12	.....
Amount paid in wages	24,948,054 81	24,057,613 68	.....	890,441 13
Amount paid superintendents, salesmen and office help	1,494,401 52	1,710,307 92	215,906 40	.....
Total number persons employed (monthly average)	37,813	37,875	62	.....
Number superintendents, salesmen and office help (monthly average)	1,356	1,458	102	.....

PART III.

Coal Mining.

PRODUCTION OF COAL FOR 1903, WITH COMPARISONS FOR 1902.

STATE SUMMARY.

Classification.	1902.	1903.	Increase.	Decrease
Number of mines reporting	533	575	42	.....
Number employed (monthly average)	30,580	36,460	5,880	.....
Number superintendents, salesmen and office help (monthly average)	733	901	168	.....
Capital invested in grounds, buildings and machinery	$23,167,573 00	$32,854,018 00	$9,686,445 00	.....
Value of products	23,711,857 68	28,135,893 33	4,424,035,65,	.....
Amount paid for rent, taxes and insurance	590,623 86	888,580 30	297,956 44	.....
Amount paid in wages	15,767,636 83	19,113,466 75	3,345,829 92	.....
Amount paid superintendents, salesmen and office help	694,506 36	900,286 92	205,780 56	.....
Average numper of days worked per employe	197	191	.....	6
Average daily wages per employe	2 24	2 60	0 36	.....
Average yearly earnings per employe	441 28	496 60	55 32	.....
Average hours of daily labor per employe	8	8	.....	.....
Number affected by advance in wages	.....	26,950	26,950	.....
Average per cent, advance in wages	.....	12.57	12.57	.....

TABLE I—COAL MINING.

Giving by Counties Total Number of Mines Reported, Total Amount of Capital Invested in Grounds, Buildings and Machinery, Total Value of Coal Produced, and Total Amount Paid for Rent, Taxes and Insurance for the Year 1903.

Counties	No. of mines reported	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during 1903.
Athens	40	$5,607,696	$4,082,370 47	$213,366 50
Belmont	48	3,794,785	2,620,433 77	33,796 41
Carroll	11	569,700	419,333 30	14,514 85
Columbiana	35	841,265	1,078,575 09	8,627 63
Coshocton	15	304,195	565,067 63	9,107 65
Gallia	1	6,000	25,040 00	340 00
Guernsey	21	1,325,416	2,519,524 66	109,404 16
Harrison	10	460,850	362,912 04	22,913 76
Hocking	17	3,621,034	2,471,419 05	128,143 70
Holmes	6	18,000	41,513 93	766 85
Jackson	55	2,824,024	3,488,240 01	41,570 15
Jefferson	40	3,583,904	2,495,600 28	97,828 67
Lawrence	14	240,194	234,917 39	1,381 80
Mahoning	13	36,100	129,445 82	1,837 13
Medina	9	63,200	203,491 51	2,259 47
Meigs	15	148,018	305,673 99	11,530 13
Morgan	2	58,600	122,932 15	857 63
Muskingum	41	127,865	296,791 99	4,675 62
Noble	14	3,946	11,157 88	196 35
Perry	49	4,193,173	3,012,688 32	117,596 83
Portage	2	50,795	195,163 36	1,228 85
Scioto	3	6,200	14,394 26	942 41
Stark	50	2,822,907	1,715,689 04	32,231 25
Summit	5	7,400	21,293 00	589 06
Trumbull	3	2,500	17,686 70	47 81
Tuscarawas	42	1,843,551	1,328,691 31	24,990 46
Vinton	9	190,500	228,962 41	5,765 29
Washington	1	200	4,448 00	162 54
Wayne	4	102,000	122,435 97	1,907 34
Totals	575	$32,854,018	$28,135,893 33	$888,580 30

TABLE II—COAL MINING.

GIVING CAPITAL INVESTED IN GROUNDS, BUILDINGS AND MACHINERY, VALUE OF COAL PRODUCED AND AMOUNT PAID FOR RENT, TAXES AND INSURANCE FOR THE YEAR 1903.

TABLE III—COAL MINING—ATHENS COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7500	$55,000	$74,000 00	$3,500 00
7501*	80,000	158,055 75	1,800 00
7502	137,288	284,128 20	2,956 92
7502½	133,506	323,115 50	2,888 63
7503*	429,562	427,851 46	21,460 91
7504	1,500	6,333 60	110 00
7505	500	3,000 00	350 00
7506†	3,971,250	1,630,261 21	117,096 56
7508	15	260 00	.....
7509	800	2,000 00	32 00
7513	100,000	152,281 00	1,250 00
7515	250,000	243,496 92	21,759 16
7516	80,100	70,689 80	5,971 61
7517	.....	20,000 00	1,200 00
7518	12,000	43,850 00	.....
7521	45,000	52,238 00	700 00
7522	5,000	14,707 75	1,300 00
7524	20,000	141,559 01	7,201 63
7526	7,500	14,400 00	916 00
8137	200	30,000 00	1,000 00
8138	47.915	106,102 17	5,642 57
8139	4,000	20,000 00	1,250 00
8140	1,800	6,000 00	55 00
8142	203,760	216,320 10	11,550 51
8168	1,000	35,000 00	3,100 00
8081	2,000	3,720 00	150 00
8084	18,000	3,000 00	125 00
Totals 40	$5,607,696	$4,082,370 47	$213,366 50

* 2 Mines.
† 12 Mines.

TABLE II2—COAL MINING—BELMONT COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7536*	$1,200,000	$652,000 00	$8,152 72
7537	1,250	72,000 00	1,200 00
7539	50,000	90,000 00	275 00
7540	200,000	62,788 00	2,324 09
7541	10,500	20,500 00	87 00
7542	168,514	126,811 47	1,204 59
7544	2,250	8,369 63	526 50
7545	1,500	1,260 00	40 00
7546	2,500	2,100 00	35 00
7547	2,000	6,160 00	50 00
7548	150	825 00	1 25
7549	400	2,875 06	200 00
7550	.....	3,000 00	.....
7551†	300,000	119,500 16	563 43
7552	4,000	5,750 00	695 00
7553	102,021	103,757 06	683 87
7554	35,000	145,000 00	1,500 00
7555	15,000	13,484 76	145 00
7556‡	500,000	336,821 41	2,416 17
7557‡	600,000	535,322 00	6,900 00
7558	.....	1,955 85	111 89
7559	15,000	5,000 00	250 00
7560	.....	40 000 00	400 00
7562	6,000	3,000 00	159 17
7563‡	200,000	27,400 00	370 00
7568	.....	2,300 00	.....
7569	700	800 00	5 30
7571	1,000	30 75	4 00
7573	62,500	65,547 19	1,490 43
7574	38,000	3,400 00	90 00
7575	4,000	5,760 00	695 00
8098	50,000	45,335 00	1,670 00
8130	10,000	12,000 00	250 00
8145	15,000	10,000 00	100 00
8147†	160,000	29,000 00	500 00
8151	37,500	33,200 00	221 00
8152	.....	27,380 43	480 00
Totals.....48	$3,794,785	$2,620,433 77	$33,796 41

*4 Mines.
†2 Mines.
‡3 Mines.

TABLE II3—COAL MINING—CARROLL COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7580	.....	$1,000	$1,124 85	$343 00
7581	.....	.....	2,100 00	150 00
7582	.....	100,000	68,173 00	1,195 09
7583	.....	.....	687 30	1 00
7584	.....	100	906 60	35 00
7585-1	.....	132,000	76,818 97	4,200 00
7585-2	.....	135,000	45,614 34	2,700 00
7585-3	.....	150,000	136,954 24	5,200 00
7586	.....	600	600 00	40 00
7588	.....	51,000	79,200 00	350 76
8121	.....	.....	7,154 00	300 00
Totals	11	$569,700	$419,333 30	$14,514 85

TABLE II4—COAL MINING—COLUMBIANA COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7593*	$18,315	$73,654 05	$238 49
7595	10,208	19,047 60	1,293 00
7596	21,599	93,122 95	172 64
7597	2,500	2,810 00	210 90
7598	650	1,000 00	5 00
7599	2,000	2,000 00	25 70
7601	600	1,850 00	134 18
7602	300	2,300 00	.....
7603*	30,000	44,090 00	895 00
7604	20,000	42,481 51	250 00
7606	1,500	1,540 00	30 00
7607	500	2,101 00	110 29
7608	30,786	84,121 45	335 62
7609	22,050	42,182 40	156 82
7610	.....	1,000 00	.....
7612	20,000	43,835 00	225 00
7613	100,000	76,138 00	434 22
7614	20,000	44,820 00	300,00
7615	500	657 00	.....
7616	3,500	9,800 00	220 45
7617*	200,000	209,634 00	1,200 00
7618	8,000	15,000 00	225 00
7619	2,000	7,650 00	80 00
7620	1,000	2,263 60	.....
7621	1,000	8,000 00	20 00
7623	60,000	77,947 18	300 00
7624	.....	1,500 00	.....
7626*	29,257	103,708 15	685 32
8104	15,000	13,661 20	100 00
8128	20,000	30,660 00	100 00
8159	200,000	20,000 00	880 00
Totals.....35	$841,265	$1,078,575 09	$8,627 63

* 2 Mines.

TABLE II5—COAL MINING—COSHOCTON COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7630	.....	$50,000	$73,849 86	$384 34
7631	.....	10,000	53,595 00	92 90
7633	.....	700	2,300 00	178 25
7634	.....	2,000	2,750 00	186 00
7635	.....	.....	2,955 13	231 14
7636	.....	21,495	129,533 32	463 02
7637	.....	3,000	30,000 00	2,000 00
7640	.....	40,000	73,110 00	700 00
7641	.....	.....	2,100 00	.....
7642	.....	.....	2,500 00	200 00
7872*	.....	2,000	1,800 00	12 00
8088	.....	100,000	35,200 23	2,500 00
8160	.....	70,000	84,306 00	2,100 00
8162	.....	5,000	71,068 09	60 00
Totals	15	$304,195	$565,067 63	$9,107 65

* 2 Mines.

TABLE 116—COAL MINING—GALLIA COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7647	$6,000	$25,040 00	$340 00
Total 1	$6,000	$25,040 00	$340 00

TABLE II7—COAL MINING—GUERNSEY COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7650*	.....	.....	$425,117 00	$56,398 38
7651*	.....	$162,000	439,236 20	5,044 00
7652	.....	68,594	141,084 25	596 36
7653	.....	198,088	128,625 69	1,785 00
7656	.....	98,648	36,263 60	706 49
7658	.....	5,000	20,575 65	140 00
7659	.....	85,000	109,920 00	909 93
7660	.....	1,500	2,200 00	.....
7661	.....	200,000	110,000 00	1,000 00
7662	.....	50,000	47,803 34	258 47
7663†	.....	150,000	756,338 10	34,969 00
7664	.....	.....	1,064 00	95 00
7927	.....	39,757	121,860 00	1,247 29
8080	.....	54,829	68,566 81	714 24
8123	.....	30,000	1,000 00	40 00
8163	.....	182,000	109,870 02	5,500 00
Totals	21	$1,325,416	$2,519,524 66	$109,404 16

* 2 Mines.
† 4 Mines.

TABLE II8—COAL MINING—HARRISON COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7670	.....	$75	$350 00	.....
7671	.....	200	3,408 21	.....
7673	.....	5,000	1,026 00	$80 00
7674	.....	25,000	37,175 00	345 86
7675	.....	1,400	200 00	.....
7676	.....	410,000	292,881 24	22,262 30
7677	.....	25	40 00	.....
7679	.....	.....	77 00	.....
7680	.....	1,000	6,000 00	3 75
8103	.....	18,150	21,754 59	221 85
Totals	 10	$460,850	$362,912 04	$22,913 76

TABLE II9—COAL MINING—HOCKING COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7519		$4,000	$13,500 10	$5 50
7685*		338,784	845,471 95	7,115 69
7688*		766,250	314,698 30	23,436 54
7689†		2,500,000	1,259,348 80	97,080 47
7690		10,000	24,000 00	500 00
8170		2,000	14,400 00	5 50
Totals	17	$3,621,034	$2,471,419 05	$128,143 70

* 4 Mines.
† 6 Mines.

TABLE III10—COAL MINING—HOLMES COUNTY.

Schedule Number.	Capital invested in grounds, buildings, and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7696	$300	$4,500 00	$300 00
7697	150	1,055 65	106 85
7698	7,000	4,000 00	300 00
7699	500	6,456 00	.....
7701	50	900 00	60 00
8105	10,000	24,602 28	.....
Totals.....6	$18,000	$41,513 93	$766 85

TABLE III11—COAL MINING—JACKSON COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7705	.....	$140,000	$225,600 00	$2,500 00
7706	.....	100,000	78,400 00	4,315 00
7707*	.....	40,000	64,946 95	512 75
7708	.....	.....	4,844 15	547 37
7709	.....	38,000	13,428 39	390 74
7710*	.....	200,000	177,236 66	3,060 89
7712	.....	26,955	33,094 43	762 73
7713*	.....	1,200	13,938 00	96 00
7714	.....	20,000	13,500 00	350 00
7715	.....	3,500	18,800 00	60 00
7716	.....	12,000	18,000 00	1,000 00
7718†	.....	100,000	324,254 50	1,402 29
7719	.....	1,000	4,000 00	31 74
7720†	.....	250,000	394,000 00	2,055 85
7721‡	.....	1,500,000	1,348,097 09	12,121 60
7722	.....	.....	1,480 00	39 46
7723	.....	2,300	2,500 00	25 00
7724	.....	48,869	184,955 92	2,409 17
7725	.....	5,500	45,956 00	240 00
7726	.....	25,000	27,000 00	263 00
7729	.....	.....	26,283 82	1,565 52
7731*	.....	50,000	75,000 00	300 00
7732	.....	78,000	90,000 00	950 00
7733	.....	20,000	7,866 78	.....
7734	.....	3,000	15,000 00	180 00
7735	.....	3,000	70,871 65	100 00
7736	.....	200	500 00	.....
7739	.....	15,000	45,300 00	3,000 00
7740*	.....	25,000	20,000 00	1,000 00
7741	.....	500	5,000 00	300 00
7742	.....	15,000	4,000 00	100 00
7746	.....	7 000	17,407 01	135 00
8132	.....	6,000	18,214 02	258 00
8173	.....	25,000	24,626 25	342 59
8175	.....	15,000	39,820 26	341 87
8177	.....	1,000	6,000 00	400 00
8178	.....	42,000	16,674 17	103 58
8179	.....	5,000	11,643 96	310 00
Totals	55	$2,824,024	$3,488,240 01	$41,570 15

* 2 Mines.
† 3 Mines.
‡ 9 Mines.

TABLE II12—COAL MINING—JEFFERSON COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7750	$1,000	$4,224 00	$215 00
7751*	.....	800,000 00	61,000 00
7752	45,455	91,391 29	1,344 80
7753	.....	10,385 16	171 75
7754	10,000	27,000 00	1,000 00
7755	150	4,425 60	382 56
7756	2,000	5,397 95	204 00
7757	1,500	4,000 00	.....
7758	3,500	400 00	48 00
7579	300	2,503 50	36 00
7760	.....	655 55	.....
7761	300	1,000 00	25 00
7762	60,000	48,000 00	750 00
7764†	1,000,000	171,334 00	5,400 00
7765	96,519	188,913 27	979 93
7766	600	2,925 10	3 00
7767†	374,580	327,259 00	2,310 05
7767½	265,000	68,561 00	2,526 30
7768	2,000	1,538 00	28 00
7771	40,000	115,000 00	900 00
7772	1,000	4,000 00	.....
7773	50,000	60,000 00	525 30
7775	200,000	58,208 00	1,500 00
7778	400,000	88,231 74	4,327 97
8181	400,000	70,000 00	1,000 00
8184‡	100,000	209,011 72	8,326 01
8185	340,000	93,835 40	4,225 00
8186	190,000	37 400 00	400 00
Totals.....40	$3,583,904	$2,495,600 28	$97,828 67

* 3 Mines.
† 2 Mines.
‡ 9 Mines.

TABLE III3—COAL MINING—LAWRENCE COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7779	$300	$1,650 00	$6 90
7780*	17,000	61,250 00	225 00
7781	3,000	8,100 00	61 00
7782	30,000	21,400 00	305 00
7783	.....	100 00	.....
7784	500	6,000 00	.....
8118	6,000	7,200 00	18 00
8127†	183,394	129,217 39	765 90
Totals 14	$240,194	$234,917 39	$1,381 80

* 2 Mines.
† 6 Mines.

TABLE II14—COAL MINING—MAHONING COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7788	.....	$18,000	$52,200 00	$75 81
7789	.....	1,500	6,606 90	450 46
7790	.....	1,000	2,400 00	200 00
7791	.....	4,000	8,097 00	15 00
7792	.....	1,000	4,254 00	35 00
7793	.....	200	4,381 01	392 15
7794	.....	400	2,000 00	200 00
7795	.....	.....	3,900 00	38 00
7797	.....	6,100	33,741 96	19 50
7798	.....	600	3,350 75	173 80
7799	.....	1,500	900 00	.....
7800	.....	1,000	2,077 20	234 00
8194	.....	800	5,537 00	3 41
Totals	13	$36,100	$129,445 82	$1,837 13

TABLE II15—COAL MINING—MEDINA COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7805	$1,000	$10,880 00	$75 00
7806	1,000	11,144 00	5 00
7807*	55,000	140,228 00	2,108 00
7809	700	4,012 91	7 90
7810	1,000	5,000 00	15 00
7811	4,500	32,226 60	48 57
Totals.....9	$63,200	$203,491 51	$2,259 47

* 4 Mines.

TABLE III6—COAL MINING—MEIGS COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7817	.....	$25,000	$38,000 00	$2,000 00
7818	.....	.....	64,857 61	3,807 69
7819	.....	200	1,000 00	100 00
7820	.....	1,500	5,000 00	500 00
7821*	.....	1,000	6,200 00	15 00
7823	.....	35,000	19,252 49	225 00
7824	.....	2,000	6,000 00	1,400 00
7825	.....	40	1,561 50	207 58
7826	.....	.....	1,125 00	.....
8199	.....	33,000	57,506 25	400 00
12202	.....	22,278	51,659 14	107 13
12203	.....	2,000	10,000 00	1,300 00
12204	.....	24,000	26,000 00	1,402 00
12207	.....	2,000	17,512 00	65 73
Totals	15	$148,018	$305,673 99	$11,530 13

* 2 Mines.

TABLE II17—COAL MINING—MORGAN COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7833	$19,600	$28,347 00	$363 84
12208	39,000	94,585 15	493 79
Totals.....2	$58,600	$122,932 15	$857 63

TABLE III8—COAL MINING—MUSKINGUM COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7836	$1,500	$6,000 00	$375 00
7837	6,000	2,584 46	23 36
7839	2,500	1,227 60	42 00
7841	1,600	1,188 25	.....
7842	15	1,500 00	150 00
7843	4,000	800 00	.....
7844	.....	367 80	28 73
7845	4,000	3,500 00	40 00
7846	5,000	9,511 00	290 61
7848	6,000	21,349 02	75 00
7849	3,000	681 00	25 00
7850	5,000	1,000 00	46 88
7851	600	1,900 00	47 00
7852	500	1,700 00	40 00
7854	650	1,800 00	25 00
7855	1,100	2,700 00	135 00
7856	450	1,350 00	35 00
7857	50	1,400 00	80 00
7858	1,000	4,600 00	200 00
7859	500	2,000 00	175 00
7861	400	1,800 00	30 00
7863	100	1,050 00	50 00
7864	47	1,349 00	224 84
7865	200	1,050 00	30 00
7866	10,000	4,800 00	180 00
7867	4,000	21,647 00	35 00
7868	2,000	3,500 00	56 00
7869	100	1,150 00	96 00
7870	250	2,485 00	414 00
7871	2,000	3,150 00	25 00
7873	100	875 00	100 00
7874	100	1,535 00	.....
7876	300	2,000 00	.....
7877	2,000	5,000 00	600 00
7878*	25,000	91,381 00	35 00
7879	8,803	27,546 07	166 00
7881	2,000	3,000 00	40 00
8153	2,000	30,000 00	500 00
12210	25,000	26,311 79	264 20
Totals.....41	$127,865	$296,791 99	$4,675 62

* 3 Mines.

TABLE II19—COAL MINING—NOBLE COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7885	.....	$350 00	.....
7887	$1,400	525 00	$15 60
7888	.....	175 44	.....
7889	300	1,000 00	.....
7890	.....	248 60	.....
7891	500	800 00	.....
7894	75	1,000 00	1 50
7896	.....	600 00	.....
7897	150	525 00	1 25
7899	.....	480 00	.....
7900	21	460 00	18 00
7901	.....	600 00	.....
7902	.....	393 84	.....
7903	1,500	4,000 00	160 00
Totals.....14	$3,946	$11,157 88	$196 35

TABLE II20—COAL MINING—PERRY COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7543	$50,000	$46,975 24	$1,125 99
7913	130,326	121,277 85	2,741 46
7913½	130,053	102,659 55	2,728 47
7914*	1,512,500	620,757 80	44,904 16
7915	18,000	16,277 60	72 08
7916	15,000	118,433 13	12,169 64
7917	58,580	74,276 20	1,205 23
7918†	300,000	221,737 10	2,349 76
7920	500	9,288 68	617 58
7921	2,000	800 00	35 00
7922	1,400	400 00	10 72
7923	1,500	250 00	40 00
7924	50	600 00	60 00
7925	700	600 00	.....
7926	.....	16,000 00	70 00
7927½	76,304	95,615 32	2,381 57
7928	2,000	4,000 00	32 00
7930	600	4,050 44	30 00
7932	350,000	125,955 45	11,164 37
7933	219,900	194,024 88	18,692 51
7935‡	174,311	92,008 12	518 91
7936	100	1,300 50	60 00
7937	50,000	27,951 76	450 00
7938	75,000	102,650 00	365 47
7939½	133,965	20,327 40	2,732 16
7940	2,000	111,000 00	700 00
7940½	137,144	20,460 80	2,782 15
7941	15,000	51,300 00	50 00
7941½	16,390	90,746 50	361 69
7942	2,000	12,882 75	1,272 02
7942½	50,618	70,350 10	1,039 80
7943	78,000	64,107 60	100 00
1943½	105,947	248,742 70	2,219 78
7944	40,000	67,375 00	950 00
7946	2,000	1,317 00	20 00
7948	500	2,800 24	5 00
12216	31,079	55,092 14	334 00
12217	2,000	12,882 75	1,272 02
12218	2,000	40,000 00	37 65
12219	15,686	27,735 78	39 30
12220‡	175,000	37,957 00	1,206 34
12221	215,020	79,717 94	650 00
Totals.....49	$4,193,173	$3,012,688 32	$117,596 83

* 3 Mines.
† 4 Mines.
‡ 2 Mines.

TABLE II21—COAL MINING—PORTAGE COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7953*	.....	$50,795	$195,163 36	$1,228 85
Totals	 2	$50,795	$195,163 36	$1,228 85

* 2 Mine4.

TABLE II22—COAL MINING—SCIOTO COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7956*	.....	$6,000	$14,154 26	$937 41
7957	.....	200	240 00	5 00
Totals	3	$6,200	$14,394 26	$942 41

* 2 Mines.

TABLE II23—COAL MINING—STARK COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7962	$57,667	$52,161 17	$1,590 75
7964*	220,000	45,000 00	1,800 00
7965	33,528	141,232 00	566 00
7967	1,000	1,650 00	.....
7968	4,000	7,000 00	170 00
7969	1,500	2,771 81	500 00
7970	150	1 800 00	.....
7971	8,000	1,656 00	.....
7972	150	1,440 00	2 23
7973	1,200	4,000 00	200 00
7975	300	2,653 12	309 00
7976	300	3,850 00	.....
7978	50	1,136 75	.....
7979	3,000	300 00	31 00
7980	.....	2,900 00	200 00
7981	7,000	900 00	80 00
7982	30,000	35,860 00	1,100 00
7983†	1,970,000	1,087,999 20	4,000 00
7984	30,000	44,722 00	284 00
7986	15,000	21,000 00	130 00
7987	12	2,971 01	175 00
7988	1,000	3,600 00	3 00
7989	500	700 00	200 00
7990	.....	150 00	19 00
7991	.....	1,500 00	.....
7992	.....	700 00	.....
7993	105,000	73,772 05	4,500 00
7994	89,500	13,670 58	3,500 00
7995	70,850	42,475 16	3,700 00
7996	83,500	60,201 97	5,200 00
7996½	84,000	14,259 72	3,750 00
12226	2,500	10,000 00	6 00
12227	1,000	9,100 00	200 00
12228	700	7,600 00	.....
12236	1,500	8,716 50	12 27
12238	.....	6,240 00	3 00
Totals.....50	$2,822,907	$1,715,689 04	$32,231 25

* 2 Mines.
† 14 Mines.

TABLE II24—COAL MINING—SUMMIT COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
7997	.....	$500	3,000 00	$178 00
7998	.....	800	1,708 00	170 80
7999	.....	6,000	9,600 00	28 00
8000	.....	100	2,985 00	172 26
8002	.....	.....	4,000 00	40 00
Totals	5	$7,400	$21,293 00	$589 06

TABLE II25—COAL MINING—TRUMBULL COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
8009	.....	$2,500	$15,386 70	$47 81
8010	.....	.....	750 00	.....
8011	.....	.....	1,550 00	.....
Totals	3	$2,500	$17,686 70	$47 81

TABLE II26—COAL MINING—TUSCARAWAS COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
8015	$75,000	$52,000 00	$1,600 00
8016*	964,000	146,000 00	4,100 00
8017	8,000	4,477 00	.....
8018	30,000	114,737 70	1,250 00
8019	1,000	13,000 00	142 00
8020	5,000	6,000 00	75 00
8021	1,900	21,769 00	500 00
8022	20,000	18,000 00	200 00
8023	30,000	33,000 00	310 00
8024	700	6,830 88	.....
8026	4,000	4,111 25	40 00
8027	300	2,146 25	134 00
8029	2,000	800 00	25 00
8030	1,500	6,337 50	164 68
8031†	65,000	172,447 05	5,554 30
8034	1,000	4,200 00	.....
8035	12,000	4,100 00	21 50
8036	1,700	4,000 00	234 00
8037‡	100,000	207,625 32	1,026 30
8038	00,000	65,822 40	780 00
8039	4,500	4,950 00	100 00
8040	300	1,122 00	90 00
8041	300	1,100 00	.....
8043‡	9,500	36,931 15	125 00
8044	5,000	4,600 00	24 00
8046	15	676 00	20 75
8047	1,000	370 00	3 00
8049	50,000	16,966 97	332 75
8051	100,000	11,632 84	300 00
8090	127,836	128,391 00	1,958 8
8124	30,000	70,380 00	980 00
12244	6,000	42,834 00	630 00
12245	50,000	70,000 00	4,000 00
12247‡	36,000	51,333 00	270 00
Totals.....42	$1,843,551	$1,328,691 31	$24,990 46

* 4 Mines.
† 3 Mines.
‡ 2 Mines.

TABLE II27—COAL MINING—VINTON COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery.	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
8053*	$8,000	$18,000 00	$500 00
8054	65,000	67,200 00	1,800 00
8055	8,500	12,128 68	114 40
8056	4,000	28,800 00	1,250 00
8057	75,000	40,055 00	550 00
8113	12,000	43,278 73	200 89
8135	15,000	16,000 00	850 00
12252	3,000	3,500 00	500 00
Totals.....9	$190,500	$228,962 41	$5,765 29

* 2 Mines.

TABLE II28—COAL MINING—WASHINGTON COUNTY.

Schedule Number.		Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
8062	.....	$200	$4,448 00	$162 54
Totals	1	$200	$4,448 00	$162 54

TABLE II29—COAL MINING—WAYNE COUNTY.

Schedule Number.	Capital invested in grounds, buildings and machinery	Total value of coal produced during year 1903.	Amount paid for rent, taxes and insurance during year 1903.
8067	$6,000	$7,517 00	$35 46
8070	20,000	49,420 00	1,188 40
8071	46,000	42,098 97	633 48
8072	30,000	23,400 00	50 00
Totals 4	$102,000	$122,435 97	$1,907 34

TABLE III—COAL MINING.

Giving by Counties Total Number of Mines Reported, Total Amount Paid in Wages, and the Total Number Employed and the Salaries Paid Office Help for the Year 1903.

Counties.	No. of Mines reported.	Total am't paid in wages during year 1903.	OFFICE HELP.									
			Superintendents		Salesmen.		Book-keepers.		Clerks.		Stenographers	
			No.	Monthly Salary.	No.	Monthly Salary.	No.	Monthly Salary.	No.	Monthly Salary.	No.	Monthly Salary
Athens	40	$2,633,080 85	24	$2,914 00	10	$2,758 33	19	$1,280 00	66	$3,150 00	11	$555 00
Belmont	48	1,850,694 10	27	3,411 00	9	950 00	24	1,818 33	22	1,513 00	11	619 16
Carroll	11	345,045 52	6	800 00	4	375 00	4	313 33	3	165 00	3	115 00
Columbiana	35	801,349 28	17	1,745 00	6	535 00	14	805 00	4	146 00	4	210 00
Coshocton	15	407,024 65	8	828 48	2	200 00	8	512 00	1	30 00	...	.....
Gallia	1	18,640 00	1	50 00	...	.....	1	40 00	1	35 00	...	.....
Guernsey	21	1 727,906 02	25	3,050 50	7	1,013 40	16	1,080 00	10	706 33	6	295 00
Harrison	10	255,121 87	4	370 00	2	200 00	2	110 00	2	90 00	1	40 00
Hocking	17	1,746,978 60	4	766 66	6	1,075 00	9	720 00	12	743 33	4	200 00
Holmes	6	25,715 02	...	.....	1	35 00	1	25 00	1	32 00	...	.....
Jackson	55	2,067,635 10	35	4,268 83	19	2,215 00	36	2,411 25	15	1,040 00	9	520 00
Jefferson	40	1,794,843 53	18	2,485 00	6	693 33	9	661 12	16	807 57	6	240 00
Lawrence	14	170,060 92	3	270 00	3	202 50	2	100 00	4	175 00	1	20 00
Mahoning	13	104,049 56	3	272 00	1	52 00	3	100 00	...	.....	...	.....
Medina	9	156,609 76	3	335 00	1	150 00	2	120 00	...	.....	1	60 00
Meigs	15	217,774 55	6	470 00	2	125 00	6	335 00	1	20 00	...	.....
Morgan	2	72,981 46	2	175 00	1	75 00	1	75 00	1	50 00	...	.....
Muskingum	41	198,447 61	7	490 00	2	130 00	4	190 00	1	20 00	2	70 00
Noble	14	5,784 38	...	.....	...	.....	...	.....	...	.....	...	.....
Perry	49	2,120,557 67	21	2,171 23	9	885 00	23	1,589 58	20	1,055 00	10	410 00
Portage	2	104,066 00	1	150 00	1	125 00	1	110 00	1	50 00	1	35 00
Scioto	3	11,576 56	1	60 00	...	.....	...	.....	...	.....	...	.....
Stark	50	977,962 12	30	3,238 33	7	700 00	14	1,074 33	15	1,023 33	8	396 00
Summit	5	14,167 40	...	.....	...	.....	...	.....	...	.....	...	.....
Trumbull	3	10,727 65	1	60 00	1	75 00	1	100 00	1	65 00	1	50 00
Tuscarawas	42	1,024,878 58	23	2,076 66	4	295 00	13	880 00	8	370 00	4	165 00
Vinton	9	151,229 22	6	460 00	3	200 00	4	215 00	2	60 00	1	50 00
Washington	1	1,760 00	...	.....	...	.....	...	.....	...	.....	...	.....
Wayne	4	96,798 77	5	580 00	1	150 00	2	150 00	2	100 00	...	.....
Totals	575	$19,113,466 75	281	$31,497 69	108	$13,214 56	219	$14,814 94	209	$11,446 56	84	$4,050 16

TABLE IV—COAL MINING.

GIVING AMOUNT PAID IN WAGES, AND THE NUMBER EMPLOYED AND THE SALARIES PAID OFFICE HELP FOR THE YEAR 1903.

TABLE IVI—COAL MINING—ATHENS COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7500	$50,000 00	2	$241 00	..	.....	1	$75 00	1	$40 00	1	$35 00
7501*	98,911 63	1	100 00	1	75 00	1	40 00	3	120 00	..	.....
7502	166,114 19	..	.....	..	.....	1	60 00	1	50 00	..	.....
7502½	197,734 69	..	.....	1	150 00	1	75 00	1	65 00	..	.....
7503*	263,303 63	3	300 00	2	1,833 33	2	150 00	4	250 00	1	50 00
7504	1,243 66	..	.....	..	.....	..	.....	..	.....	..	.....
7505	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7506†	1,116 522 97	3	600 00	..	.....	2	190 00	49	2 300 00	6	305 00
7508	135 10	..	.....	..	.....	..	.....		.....	..	.....
7509	1,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7513	99,789 88	2	350 00	2	350 00	3	300 00	..	.....	1	75 00
7515	149,517 02	1	100 00	..	.....	..	.....	3	165 00	..	.....
7516	56,551 84	..	.....	..	.....	..	.....	..	.....	..	.....
7517	15,500 00	1	100 00	..	.....	..	.....	..	.....	..	.....
7518	40,149 00	..	.....	..	.....	1	45 00	..	.....	..	.....
7521	31,617 00	2	160 00	..	.....	1	50 00	..	.....	..	.....
7522	5,425 00	..	.....	..	.....	..	.....	..	.....	..	.....
7524	64,746 12	2	230 00	1	125 00	2	80 00	1	25 00	1	25 00
7526	10,342 00	1	75 00	..	.....	..	.....	..	.....	..	.....
8137	14,600 00	..	.....	..	.....	..	.....	..	.....	..	.....
8133	56,226 14	1	208 00	..	.....	1	40 00	..	.....	..	.....
8139	1,500 00	1	75 00	..	.....	..	.....	..	.....	..	.....
8140	4,600 00	..	.....	..	.....	..	.....	..	.....	..	.....
8142	159,650 98	1	100 00	3	225 00	1	80 00	2	115 00	1	65 00
8168	22,000 00	..	.....	..	.....	1	55 00	1	20 00	..	.....
8081	2,700 00	2	200 00	..	.....	1	40 00	..	.....	..	.....
8084	1,200 00	1	75 00	..	.....	..	.....	..	.....	..	.....
Totals.. 40	$2,633,080 85	24	$2,914 00	10	$2,758 33	19	$1,280 00	66	$3,150 00	11	$555 00

*2 mines.
†12 mines.

TABLE IV2—COAL MINING—BELMONT COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
5736*	$564,230 00	3	$533 00	3	$ 400 00	4	$525 00	6	$ 480 00	4	$ 300
7537	24,000 00	1	100 00	..	.....	..	.....	..	.....	..	.....
7539	64,500 00	1	100 00	..	.....	1	60 00	..	.....	1	40 00
7540	42,503 39	1	208 00	..	.....	..	.....	1	30 00	..	.....
7541	14,775 00	1	25 00	..	.....	..	.....	..	.....	..	.....
7542	83,642 05	1	200 00	..	.....	1	25 00	..	.....	..	.....
7544	5,725 35	1	60 00	..	.....	..	.....	..	.....	..	.....
7545	410 00	..	.....	..	.....	..	.....	..	.....	..	.....
7546	1,050 00	..	.....	..	.....	..	.....	..	.....	..	.....
7547	4,640 00	..	.....	..	.....	..	.....	..	.....	..	.....
7548	700 00	..	.....	..	.....	..	.....	1	48 00	..	.....
7549	1,800 00	..	.....	..	.....	..	.....	..	.....	..	.....
7550	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7551†	77,221 13	1	100 00	..	.....	1	60 00	1	40 00	..	.....
7552	4,024 36	1	50 00	1	50 00	1	50 00	..	.....	..	.....
7553	83,005 65	1	125 00	1	75 00	1	75 00	1	50 00	1	50 00
7554	104,000 00	2	400 00	2	300 00	2	125 00	..	.....	..	.....
7555	10,215 00	..	.....	..	.....	..	.....	1	40 00	..	.....
7556‡	222,169 71	1	150 00	..	.....	1	75 00	1	75 00	1	40 00
7557‡	316,421 00	2	350 00	..	.....	1	150 00	7	595 00	1	60 00
7558	1,417 85	..	.....	..	.....	..	.....	..	.....	..	.....
7559	3,312 40	..	.....	..	.....	..	.....	..	.....	..	.....
7560	8,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7562	1,236 00	..	.....	..	.....	1	40 00	..	.....	..	.....
7563‡	23,397 00	1	75 00	..	.....	1	83 33	..	.....	1	29 16
7568	1,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7569	76 80	..	.....	..	.....	..	.....	..	.....	..	.....
7571	23 74	..	.....	..	.....	..	.....	..	.....	..	.....
7573	40,438 70	1	150 00	..	.....	1	50 00	1	45 00	..	.....
7574	3,171 00	1	75 00	..	.....	..	.....	..	.....	..	.....
7575	4,024 36	1	50 00	1	50 00	1	50 00	..	.....	..	.....
8098	38,421 00	1	125 00	..	.....	1	50 00	..	.....	..	.....
8130	10,000 00	1	75 00	..	.....	1	75 00	..	.....	..	.....
8145	6,000 00	1	60 00	..	.....	1	20 00	..	.....	..	.....
8147†	25,000 00	1	125 00	1	75 00	2	130 00	1	50 00	..	.....
8151	23,600 00	1	150 00	..	.....	1	75 00	..	.....	1	50 00
8152	34,042 61	1	125 00	..	.....	1	100 00	1	60 00	1	50 00
Totals..48	$1,850,694 10	27	$3,411 00	9	$ 950 00	24	$1,818 33	22	$1,513 00	11	$619 16

*4 mines.
†2 mines.
‡3 mines.

TABLE IV3—COAL MINING—CARROLL COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7580	$,400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7581	1,400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7582	51,675 66	1	$100 00	1	$75 00	1	$55 00	1	$40 00	1	$30 00
7583	292 28	..	.....	..	.....	..	.....	..	.....	..	.....
7584	550 00	..	.....	..	.....	..	.....	..	.....	..	.....
7585–1.....	67,593 66	1	150 00	1	100 00	1	75 00	1	60 00	..	.....
7585–2.....	67,813 32	1	100 00	..	.....	..	.....	..	.....	..	.....
7585–3.....	88,583 96	2	250 00	1	100 00	1	83 33	1	65 00	1	60 00
7586	300 00	..	.....	..	.....	..	.....	..	.....	..	.....
7588	60,000 00	1	100 00	1	100 00	1	100 00	..	.....	1	25 00
8121	6,436 64	..	.....	..	.....	..	.....	..	.....	..	.....
Totals... 11	$345,045 52	6	$800 00	4	$375 00	4	$313 33	3	$165 00	3	$115 00

TABLE IV4—COAL MINING—COLUMBIANA COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7593*	$56,097 52	1	$125 00	1	$75 00	1	$75 00	..	.....	1	$50 00
7595	12,552 87	1	50 00	..	.....	1	20 00	..	.....	..	.....
7596	62,081 97	1	125 00	1	75 00	1	75 00	..	.....	1	50 00
7597	2,184 00	..	.....	..	.....	..	.....	..	.....	..	.....
7598	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7599	1,300 00	..	.....	..	.....	..	.....	..	.....	..	.....
7601	1,228 50	..	.....	..	.....	..	.....	..	.....	..	.....
7602	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7603*	39,620 00	1	200 00	1	150 00	1	75 00	..	.....	1	60 00
7604	31,333 33	1	80 00	..	.....	1	35 00	..	.....	..	.....
7606	850 00	..	.....	..	.....	..	.....	..	.....	..	.....
7607	1,057 00	..	.....	..	.....	..	.....	..	.....	..	.....
7608	60,812 73	1	100 00	..	.....	1	90 00	..	.....	..	.....
7609	31,120 08	1	60 00	1	60 00	1	60 00	..	.....	..	.....
7610	150 00	..	.....	..	.....	..	.....	..	.....	..	.....
7612	36,800 00	1	100 00	..	.....	..	.....	..	.....	..	.....
7613	65,002 00	1	100 00	..	.....	..	.....	1	44 00	..	.....
7614	39,840 00	1	170 00	..	.....	1	30 00	..	.....	..	.....
7615	4,000 00	..	.....	.	.....	..	.....	..	.....	..	.....
7616	7,000 80	..	.....	..	.....	..	.....	..	.....	..	.....
7617*	132,917 00	1	100 00	1	100 00	1	90 00	1	50 00	..	.....
7618	10,000 00	..	.....	..	.....	1	55 00	..	.....	..	.....
7619	5,000 00	1	55 00	..	.....	..	.....	..	.....	..	.....
7620	1,289 00	..	.....	..	.....	..	.....	..	.....	..	.....
7621	6,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7623	62,657 39	1	100 00	..	.....	1	40 00	1	20 00	..	.....
7624	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7626*	71,749 88	1	125 00	1	75 00	1	75 00	..	.....	1	50 00
8104	11,705 21	1	65 00	..	.....	..	.....	1	32 00	..	.....
8128	30,000 00	1	90 00	..	.....	1	40 00	..	.....	..	.....
8159	14,000 00	1	100 00	..	.....	1	45 00	..	.....	..	.....
Totals...35	$801,349 28	17	$1,745 00	6	$ $535 00	14	$805 00	4	$146 00	4	$210 0

*2 mines.

TABLE IV5—COAL MINING—COSHOCTON COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7630	$50,775 56	1	$ 78 48	..	.....	1	$ 60 00	..	.....	..	.....
7631	34,971 93	2	150 00	..	.....	1	100 00	..	.....	..	.....
7633	1,400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7634	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7635	2,026 15	..	.....	..	.....	..	.....	..	.....	..	.....
7636	79,875 73	1	75 00	1	$100 00	2	157 00	..	.....	..	.....
7637	17,000 00	..	.....	..	.....	1	50 00	..	.....	..	.....
7640	69,610 00	1	75 00	..	.....	1	35 00	..	.....	..	.....
7641	1,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7642	1,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7872*	1,050 00	..	.....	..	.....	..	.....	..	.....	..	.....
8088	25,445 07	1	150 00	1	100 00	1	60 00	..	.....	..	.....
8160	77,432 00	1	200 00	..	.....	1	50 00	1	30 00	..	.....
8162	42,938 21	1	100 00	..	.....	..	.....	..	.....	..	.....
Totals...15	$407,024 65	8	$828 48	2	$200 00	8	$512 00	1	$ 30 00	..	.....

*2 mines.

TABLE IV6—COAL MINING—GALLIA COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7647	$18,640 00	1	$ 50 00	..	.....	1	$ 40 00	1	$ 35 00	..	.....

TABLE IV7—COAL MINING—GUERNSEY COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7650*	$269,838 58	1	$200 00	1	$200 00	2	$175 00	2	$150 00	1	$80 00
7651*	333,140 93	1	250 00	..	.....	2	210 00	3	210 00	1	80 00
7652	77,420 87	2	225 00	1	166 70	1	50 00	..	.....	1	30 00
7653	108,943 19	2	225 00	1	150 00	2	100 00	..	.....	..	.....
7656	29,219 77	..	.....	..	.....	..	.....	..	.....	..	.....
7658	11,264 07	1	100 00	1	30 00	1	15 00	..	.....	..	.....
7659	71,280 99	3	250 00	..	.....	2	130 00	1	55 00	..	.....
7660	2,021 65	1	65 00	..	.....	..	.....	..	.....	..	.....
7661	75,617 41	1	150 00	..	.....	1	40 00	1	40 00	..	.....
7662	32,845 54	1	125 00	..	.....	1	75 00	..	.....	1	25 00
7663†	507,476 20	5	698 00	..	.....	..	.....	2	168 00	..	.....
7664	665 00	..	.....	..	.....	..	.....	..	.....	..	.....
927	77,632 03	1	112 50	..	.....	1	60 00	..	.....	..	.....
8080	36,049 38	1	100 00	2	266 70	1	75 00	..	.....	1	30 00
8123	5,779 26	3	300 00	..	.....	1	50 00	..	.....	..	.....
8163	88,711 15	2	250 00	1	200 00	1	100 00	1	83 33	1	50 00
Totals...21	$1,727,906 02	25	$3,050 50	7	$1,013 40	16	$1,080 00	10	$706 33	6	$295 00

*2 mines.
†4 mines.

TABLE IV8—COAL MINING—HARRISON COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7670	$210 00	..	.....	..	.....	..	.....	..	.....	..	.....
7671	2,441 76	..	.....	..	.....	..	.....	..	.....	..	.....
7673	414 00	..	.....	..	.....	..	.....	..	.....	..	.....
7674	22,014 00	2	$135 00	..	.....	1	$50 00	..	.....	..	.....
7675	140 00	..	.....	..	.....	..	.....	..	.....	..	.....
7676	207,942 50	1	135 00	2	$200 00	1	60 00	2	$90 00	1	$40 00
7677	30 00	..	.....	..	.....	..	.....	..	.....	..	.....
7679	35 00	..	.....	..	.....	..	.....	..	.....	..	.....
7680	1,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
8103	20,394 61	1	100 00	..	.....	..	.....	..	.....	..	.....
Totals...10	$255,121 87	4	$370 00	2	$200 00	2	$110 00	2	$90 00	1	$40 00

TABLE IV9—COAL MINING—HOCKING COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7519	$9,000 00	1	$75 00	..	.....	1	$50 00	..	.....	1	$30 00
7685*	559,167 14	1	200 00	1	$150 00	4	325 00	4	$240 00	1	60 00
7688*	233,602 75	..	.....	..	.....	..	.....	..	.....	..	.....
7689†	914,608 71	1	416 66	5	925 00	3	325 00	8	503 33	2	110 00
7690	21,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
8170	9,600 00	1	75 00	..	.....	1	20 00	..	.....	..	.....
Totals...17	$1,746,978 60	4	$766 66	6	$1,075 00	9	$720 00	12	$743 33	4	$200 00

*4 Mines
†6 Mines.

TABLE IV10—COAL MINING—HOLMES COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7696	$2,800 00	..	.....	..	.....	..	.....	..	.....	..	.....
7697	524 10	..	.....	..	.....	..	.....	..	.....	..	.....
7698	1,800 00	..	.....	1	$ 35 00	1	$ 25 00	..	.....	..	.....
7699	4,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7701	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
8105	15,990 92	..	.....	..	.....	..	.....	1	$ 32 00	..	.....
Totals.....	$25,715 02	..	.....	1	$35 00	1	$25 00	1	$32 00	..	.....

TABLE IVII—COAL MINING—JACKSON COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7705	$152,623 00	1	$125 00	1	$125 00	1	$100 00	1	$75 00	..	.....
7706	53,346 00	1	250 00	1	125 00	1	100 00	..	.....	1	$65 00
7707*	39,663 11	1	100 00	1	125 00	1	50 00	1	30 00	..	.....
7708	3,505 64	1	60 50	..	.....	..	.....	..	.....	..	.....
7709	10,119 05	1	75 00	..	.....	1	25 00	..	.....	..	.....
7710*	101,921 39	3	595 00	2	415 00	2	220 00	3	305 00	2	150 00
7712	23,496 16	1	75 00	..	.....	1	55 00	..	.....	..	.....
7713*	9,118 00	1	75 00	..	.....	1	60 00	..	.....	..	.....
7714	9,103 47	1	75 00	..	.....	..	.....	..	.....	..	.....
7715	8,837 00	..	.....	..	.....	..	.....	..	.....	..	.....
7716	10,800 00	2	150 00	1	125 00	1	75 00	1	75 00	..	.....
7718†	156,996 00	1	100 00	2	225 00	5	321 25	..	.....	1	30 00
7719	2,920 00	1	60 00	..	.....	..	.....	..	.....	..	.....
7720†	202,320 73	1	625 00	2	275 00	2	200 00	1	75 00	1	35 00
7721‡	807,227 20	1	125 00	1	75 00	7	420 00	2	215 00	1	60 00
7722	918 00	..	.....	..	.....	..	.....	..	.....	..	.....
7723	1,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7724	98,983 66	1	110 00	..	.....	1	50 00	..	.....	..	.....
7725	26,531 00	1	100 00	..	.....	1	50 00	..	.....	..	.....
7726	18,000 00	1	60 00	1	75 00	1	35 00	..	.....	..	.....
7729	16,892 47	1	100 00	1	75 00	1	75 00	..	.....	..	.....
7731*	62,000 00	1	400 00	2	200 00	2	160 00	1	45 00	1	30 00
7732	79,483 48	1	150 00	1	125 00	1	100 00	1	60 00	..	.....
7733	7,544 30	1	100 00	..	.....	..	.....	..	.....	..	.....
7734	8,200 00	1	50 00	..	.....	1	50 00	..	.....	..	.....
7735	16,096 00	1	85 00	1	100 00	1	60 00	1	45 00	..	.....
7736	400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7739	25,000 00	1	75 00	1	75 00	1	50 00	..	.....	1	50 00
7740*	16,000 00	1	65 00	1	75 00	1	45 00	1	40 00	..	.....
7741	2,160 00	..	.....	..	.....	..	.....	..	.....	..	.....
7742	8,541 68	1	60 00	..	.....	..	.....	..	.....	..	.....
7746	11,144 00	1	55 00	..	.....	..	.....	..	.....	..	.....
8132	6,563 26	..	.....	..	.....	..	.....	..	.....	1	100 00
8173	13,538 94	2	115 00	..	.....	..	.....	..	.....	..	.....
8175	30,110 44	1	83 33	..	.....	..	.....	..	.....	..	.....
8177	4,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
8178	13,740 12	1	70 00	..	.....	1	60 00	1	40 00	..	.....
8179	8,291 00	1	100 00	..	.....	1	50 00	1	35 00	..	.....
Totals...55	$2,067,635 10	35	$4,268 83	19	$2,215 00	36	$2,411 25	15	$1,040 00	9	$520 00

*2 Mines.
†3 Mines.
‡9 Mines.

TABLE IV12—COAL MINING—JEFFERSON COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7750	$1,372 80	..	.....	..	.....	..	.....	..	.....	..	.....
7751*	589,355 00	1	$200 00	..	.....	..	.....	5	$265 00	..	.....
7752	58,254 83	1	125 00	..	.....	1	$100 00	1	50 00	1	$25 00
7753	10,204 81	1	80 00	..	.....	1	33 34	..	.....	..	.....
7754	20,000 00	1	80 00	..	.....	..	.....	..	.....	..	.....
7755	3,354 22	..	.....	..	.....	..	.....	..	.....	..	.....
7756	5,822 85	..	.....	..	.....	..	.....	..	.....	..	.....
7757	3,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7758	300 00	..	.....	..	.....	..	.....	..	.....	..	.....
7759	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7760	450 38	..	.....	..	.....	..	.....	..	.....	..	.....
7761	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7762	36,000 00	1	115 00	1	$85 00	..	.....	..	.....	..	.....
7764†	162,631 36	1	300 00	..	.....	1	60 00	..	.....	1	50 00
7765	110,768 78	1	100 00	..	.....	1	75 00	..	.....	..	.....
7766	650 00	..	.....	..	.....	..	.....	..	.....	..	.....
7767†	209,596 42	1	150 00	..	.....	1	65 00	..	.....	1	35 00
7767½	38,107 00	1	150 00	..	.....	..	.....	1	35 00	..	.....
7768	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
7771	90,000 00	1	100 00	..	.....	..	.....	1	60 00	..	.....
7772	3,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7773	44,560 00	1	125 00	..	.....	1	25 00	..	.....	..	.....
7775	42,500 00	1	100 00	1	75 00	1	90 00	1	50 00	1	40 00
7778	63,703 77	1	135 00	2	200 00	1	60 00	2	90 00	1	40 00
8181	60,000 00	1	90 00	..	.....	..	.....	..	.....	..	.....
8184‡	134,185 77	1	250 00	1	208 33	1	152 78	3	150 00	1	50 00
8185	80,385 54	2	285 00	..	.....	..	.....	1	67 57	..	.....
8186	23,040 00	1	100 00	1	125 00	..	.....	1	40 00	..	.....
Totals..40	$1,794,843 53	18	$2,485 00	6	$693 33	9	$661 12	16	$807 57	6	$240 00

*3 mines.
†2 mines.
‡9 mines.

TABLE IV13—COAL MINING—LAWRENCE COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7779	$925 00	..	.....	..	.....	..	.....	..	.....	..	.....
7780*	44,625 00	1	$65 00	1	$90 00	1	$40 00	1	$35 00	..	.....
7781	6,750 00	..	.....	..	.....	..	.....	..	.....	..	.....
7782	25,680 00	1	80 00	..	.....	..	.....	2	100 00	..	.....
7783	80 00	..	.....	..	.....	..	.....	..	.....	..	.....
7784	14,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
8118	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
8127†	86,900 92	1	125 00	2	112 50	1	60 00	1	40 00	1	20 00
Totals...14	$170 060 92	3	$270 00	3	$202 50	2	$100 00	4	$175 00	1	$20 00

*2 mines.
†6 mines.

TABLE IV14—COAL MINING—MAHONING COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7788	$48,000 00	1	$100 00	..	.....	1	$30 00	..	.....	..	.....
7789	3,650 00	..	.....	..	.....	..	.....	..	.....	..	.....
7790	1,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7791	5,976 00	1	52 00	1	$52 00	1	40 00	..	.....	..	.....
7792	3,145 00	..	.....	..	.....	..	.....	..	.....	..	.....
7793	2,471 17	..	.....	..	.....	..	.....	..	.....	..	.....
7794	800 00	..	.....	..	.....	..	.....	..	.....	..	.....
7795	2,275 00	..	.....	..	.....	..	.....	..	.....	..	.....
7797	28,930 44	1	120 00	..	.....	1	30 00	..	.....	..	.....
7798	2,328 15	..	.....	..	.....	..	.....	..	.....	..	.....
7799	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
7800	1,684 80	..	.....	..	.....	..	.....	..	.....	..	.....
8194	2,689 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals...13	$104,049 56	3	$272 00	1	$52 00	3	$100 00	..	.....	..	.....

TABLE IV15—COAL MINING—MEDINA COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7805	$7,659 52	1	$75 00	..	.....	1	$45 00	..	.....	..	.....
7806	7,550 93	..	.....	..	.....	..	.....	..	.....	..	.....
7807*	109,995 00	1	200 00	1	150 00	1	75 00	..	.....	1	$60 00
7809	3,026 05	..	.....	..	.....	..	.....	..	.....	..	.....
7810	4,375 00	..	.....	..	.....	..	.....	..	.....	..	.....
7811	24,003 26	1	60 00	..	.....	..	.....	..	.....	..	.....
Totals.....9	$156,609 76	3	$335 00	1	$150 00	2	$120 00	..	.....	1	$60 00

*4 mines.

TABLE IV16—COAL MINING—MEIGS COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7817	$26,000 00	1	$60 00	..	.....	1	$50 00	..	.....	..	.....
7818	54,099 07	1	50 00	..	.....	1	50 00	..	.....	..	.....
7819	800 00	..	.....	..	.....	..	.....	..	.....	..	.....
7820	3,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7821*	3,193 75	..	.....	..	.....	..	.....	..	.....	..	.....
7823	15,157 52	..	.....	..	.....	..	.....	1	$20 00	..	.....
7824	3,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7825	1,168 25	..	.....	..	.....	..	.....	..	.....	..	.....
7826	775 00	..	.....	..	.....	..	.....	..	.....	..	.....
8199	48,620 72	1	75 00	1	$50 00	1	75 00	..	.....	..	.....
12202	27,620 24	1	100 00	1	75 00	1	60 00	..	.....	..	.....
12203	6,000 00	1	85 00	..	.....	1	50 00	..	.....	..	.....
12204	12,000 00	1	100 00	..	.....	1	50 00	..	.....	..	.....
12207	15,340 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals...15	$217,774 55	6	$470 00	2	$125 00	6	$335 00	1	$20 00	..	.....

*2 mines.

TABLE IV17—COAL MINING—MORGAN COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7833	$18,925 37	1	$75 00	1	$75 00	1	$75 00	..	.....	..	.....
12208	54,056 09	1	100 00	..	.....	..	.....	1	$50 00	..	.....
Totals....2	$72,981 46	2	$175 00	1	$75 00	1	$75 00	1	$50 00	..	.....

TABLE IV18—COAL MINING—MUSKINGUM COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7836	$5,100 00	..	.....	..	.....	..	.....	..	.....	..	.....
7837	1,906 07	..	.....	..	.....	..	.....	..	.....	..	.....
7839	613 00	..	.....	..	.....	..	.....	..	.....	..	.....
7841	629 47	..	.....	..	.....	..	.....	..	.....	..	.....
7842	750 10	..	.....	..	.....	..	.....	..	.....	..	.....
7843	400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7844	235 80	..	.....	..	.....	..	.....	..	.....	..	.....
7845	2,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7846	6,917 74	1	$60 00	..	.....	..	.....	..	.....	..	.....
7848	14,496 08	1	50 00	..	.....	1	$50 00	..	.....	..	.....
7849	392 00	..	.....	..	.....	..	.....	..	.....	..	.....
7850	945 00	..	.....	..	.....	..	.....	..	.....	..	.....
7851	1,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7852	964 00	..	.....	..	.....	..	.....	..	.....	..	.....
7854	900 00	..	.....	..	.....	..	.....	..	.....	..	.....
7855	1,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7856	700 00	..	.....	..	.....	..	.....	..	.....	..	.....
7857	720 00	1	40 00	..	.....	..	.....	..	.....	..	.....
7858	3,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7859	1,250 00	..	.....	..	.....	..	.....	..	.....	..	.....
7861	1,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7863	630 00	..	.....	..	.....	..	.....	..	.....	..	.....
7864	899 36	..	.....	..	.....	..	.....	..	.....	..	.....
7865	560 00	..	.....	..	.....	..	.....	..	.....	..	.....
7866	3,600 00	..	.....	..	.....	..	.....	..	.....	..	.....
7867	6,600 00	..	.....	1	$50 00	..	.....	..	.....	..	.....
7868	2,400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7869	576 00	..	.....	..	.....	..	.....	..	.....	..	.....
7870	1,700 00	..	.....	..	.....	..	.....	..	.....	..	.....
7871	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7873	579 00	..	.....	..	.....	..	.....	..	.....	..	.....
7874	1,753 00	..	.....	..	.....	..	.....	..	.....	..	.....
7876	900 00	..	.....	..	.....	..	.....	..	.....	..	.....
7877	2,400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7878*	74,684 94	1	100 00	1	80 00	1	60 00	..	.....	1	$40 00
7879	16,547 01	1	100 00	..	.....	1	40 00	1	$20 00	..	.....
7881	1,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
8153	20,000 00	1	60 00	..	.....	..	.....	..	.....	1	30 00
12210	15,199 04	1	80 00	..	.....	1	40 00	..	.....	..	.....
Totals...41	$198,447 61	7	$490 00	2	$130 00	4	$190 00	1	$20 00	2	$70 00

*3 mines.

TABLE IV19—COAL MINING—NOBLE COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7885	$200 00	..	.....	..	.....	..	.....	..	.....	..	.....
7887	300 00	..	.....	..	.....	..	.....	..	.....	..	.....
7888	80 00	..	.....	..	.....	..	.....	..	.....	..	.....
7889	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7890	149 16	..	.....	..	.....	..	.....	..	.....	..	.....
7891	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7894	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
7896	400 00	..	.....	..	.....	..	.....	..	.....	..	.....
7897	225 00	..	.....	..	.....	..	.....	..	.....	..	.....
7899	240 00	..	.....	..	.....	..	.....	..	.....	..	.....
7900	80 00	..	.....	..	.....	..	.....	..	.....	..	.....
7901	430 50	..	.....	..	.....	..	.....	..	.....	..	.....
7902	279 72	..	.....	..	.....	..	.....	..	.....	..	.....
7903	1,800 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals...14	$5,784 38	..	.....	..	.....	..	.....	..	.....	..	.....

TABLE IV20—COAL MINING—PERRY COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7543	$ 34,600 59	..	.....	..	.....	..	.....	..	.....	..	.....
7913	78,786 04	1	$150 00	1	$125 00	1	$75 00	1	$65 00	1	$50 00
7913½.....	73,208 85	..	.....	..	.....	1	75 00	1	55 00	..	.....
7914*	390,599 00	..	.....	..	.....	..	.....	..	.....	..	.....
7915	12,914 30	..	.....	..	.....	..	.....	..	.....	..	.....
7916	60,463 24	1	69 58	2	150 00	1	69 58	..	.....	..	.....
7917	46,204 69	..	.....	1	125 00	1	65 00	1	55 00	..	.....
7918†	147,933 79	5	416 65	1	125 00	1	125 00	2	95 00	1	25 00
7920	608 21	..	.....	..	.....	..	.....	..	.....	..	.....
7921	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7922	200 00	..	.....	..	.....	..	.....	..	.....	..	.....
7923	150 00	..	.....	..	.....	..	.....	..	.....	..	.....
7924	240 00	..	.....	..	.....	..	.....	..	.....	..	.....
7925	300 00	..	.....	..	.....	..	.....	..	.....	..	.....
7926	8,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7927½.....	80,230 73	1	90 00	..	.....	..	.....	1	40 00	..	.....
7928	4,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7930	3,493 64	..	.....	..	.....	..	.....	..	.....	..	.....
7932	105,893 90	1	100 00	..	.....	..	.....	3	165 00	..	.....
7933	155,221 30	1	150 00	..	.....	2	165 00	3	155 00	4	155 00
7935‡	56,423 47	2	300 00	1	125 00	2	150 00	2	90 00	1	50 00
7936	595 20	..	.....	..	.....	..	.....	..	.....	..	.....
7937	16,582 59	..	.....	..	.....	1	60 00	..	.....	..	.....
7938	88,062 22	1	100 00	..	.....	1	75 00	..	.....	..	.....
7939½.....	17,445 26	..	.....	..	.....	..	.....	..	.....	..	.....
7940	87,100 00	1	100 00	1	100 00	2	150 00	1	75 00	1	50 00
7940½.....	17,389 17	..	.....	..	.....	..	.....	..	.....	..	.....
7941	40,632 86	1	75 00	1	75 00	..	.....	..	.....	1	40 00
7941½.....	61,716 90	..	.....	..	.....	1	65 00	1	60 00	..	.....
7942	8,770 30	..	.....	..	.....	1	30 00	..	.....	..	.....
7942½.....	52,006 82	..	.....	..	.....	1	75 00	1	65 00	..	.....
7943	49,940 54	1	75 00	1	60 00	..	.....	..	.....	1	40 00
7943½.....	143,332 55	..	.....	..	.....	1	75 00	1	55 00	..	.....
7944	60,660 00	1	100 00	..	.....	1	75 00	..	.....	..	.....
7946	1,100 00	..	.....	..	.....	..	.....	..	.....	..	.....
7948	2,435 91	..	.....	..	.....	..	.....	..	.....	..	.....
12216	39,496 70	1	100 00	..	.....	1	40 00	1	20 00	..	.....
12217	8,770 30	..	.....	..	.....	1	30 00	..	.....	..	.....
12218	28,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
12219	20,870 16	1	65 00	..	.....	1	65 00	..	.....	..	.....
12220‡	65,055 13	1	200 00	..	.....	2	125 00	..	.....	..	.....
12221	50,123 31	1	80 00	..	.....	..	.....	1	60 00	..	.....
Totals...49	$2,120,557 67	21	$2,171 23	9	$885 00	23	$1,589 58	20	$1,055 00	10	$410 00

*3 mines.
†4 mines.
‡2 mines.

TABLE IV21—COAL MINING—PORTAGE COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7953*	$104,066 00	1	$150 00	1	$125 00	1	$110 00	1	$50 00	1	$35 00
Totals....2											

*2 mines.

TABLE IV22—COAL MINING—SCIOTO COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7956*	$11,401 56	1	$60 00	..	.....	..	.....	..	.....	..	.....
7957	175 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals....3	$11,576 56	1	$60 00	..	.....	..	.....	..	.....	..	.....

*2 mines.

TABLE IV23—COAL MINING—STARK COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7962	$35,420 98	1	$90 00	1	$100 00	..	.....	..	.....	*1	$16 00
7964*	31,000 00	1	50 00	..	.....	1	$50 00	1	$40 00	1	35 00
7965	51,800 00	..	.....	..	.....	..	.....	..	.....	..	.....
7967	1,300 00	..	.....	..	.....	..	.....	..	.....		.....
7968	5,000 00	..	.....	..	.....	1	30 00	..	.....	..	.....
7969	2,237 43	..	.....	..	.....	..	.....	..	.....	..	.....
7970	950 00	..	.....	..	.....	..	.....	..	.....	..	.....
7971	825 00	..	.....	..	.....	1	36 00	..	.....	..	.....
7972	960 00	..	.....	..	.....	..	.....	..	.....	..	.....
7973	3,200 00	..	.....	..	.....	..	.....	..	.....	..	.....
7975	1,645 70	..	.....	..	.....	..	.....	..	.....	..	.....
7976	2,700 00	..	.....	..	.....	..	.....	..	.....	..	.....
7978	800 00	..	.....	..	.....	..	.....	..	.....	..	.....
7979	100 00	..	.....	..	.....	..	.....	..	.....	..	.....
7980	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
7981	515 00	..	.....	..	.....	..	.....	..	.....	..	.....
7982	22,001 27	1	83 33	..	.....	..	.....	1	73 33	..	.....
7983†	620,088 99	17	2,000 00	..	.....	4	400 00	5	400 00	1	75 00
7984	30,049 00	1	80 00	..	.....	..	.....	1	50 00	..	.....
7986	18,733 00	1	50 00	..	.....	1	25 00	..	.....	..	.....
7987	2,258 46	..	.....	..	.....	..	.....	..	.....	..	.....
7988	1,800 00	..	.....	..	.....	..	.....	..	.....	..	.....
7989	560 00	..	.....	..	.....	..	.....	..	.....	..	.....
7990	120 00	..	.....	..	.....	..	.....	..	.....	..	.....
7991	1,200 00	..	.....	..	.....	..	.....	..	.....	..	.....
7992	500 00	..	.....	..	.....	..	.....	..	.....	..	.....
7993	40,097 92	1	150 00	1	100 00	1	100 00	1	75 00	1	600 00
7994	11,617 14	1	125 00	1	100 00	1	83 33	1	75 00	1	55 00
7995	23,506 08	1	125 00	1	100 00	1	100 00	1	60 00	1	50 00
7996	26,514 47	1	150 00	2	200 00	1	100 00	2	150 00	1	60 00
7996½.....	5,791 56	1	150 00	1	100 00	1	100 00	2	100 00	1	45 00
12226	9,600 00	..	.....	..	.....	..	.....	..	.....	..	.....
12227	6,200 00	1	50 00	..	.....	1	50 00	..	.....	..	.....
12228	5,500 00	..	.....	..	.....	..	.....	..	.....	..	.....
12236	6,314 12	1	60 00	..	.....	..	.....	..	.....	..	.....
12238	5,056 00	1	75 00	..	.....	..	.....	..	.....	..	.....
Totals...50	$977,962 12	30	$3,238 33	7	$700 00	14	1,074 33	15	$1,023 33	8	$396 00

*2 mines.
†14 mines.

TABLE IV24—COAL MINING—SUMMIT COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7997	$1,756 00	..	.....	..	.....	..	.....	..	.....	..	.....
7998	1,352 40	..	.....	..	.....	..	.....	..	.....	..	.....
7999	7,459 00	..	.....	..	.....	..	.....	..	.....	..	.....
8000	1,600 00	..	.....	..	.....	..	.....	..	.....	..	.....
8002	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals....5	$14,167 40	..	.....	..	.....	..	.....	..	.....	..	.....

TABLE IV25—COAL MINING—TRUMBULL COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
8009	$9,202 65	1	$60 00	1	$75 00	1	$100 00	1	$65 00	1	$50 00
8010	525 00	..	.....	..	.....	..	.....	..	.....	..	.....
8011	1,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals....3	$10,727 65	1	$60 00	1	$75 00	1	$100 00	1	$65 00	1	$50 00

TABLE IV26—COAL MINING—TUSCARAWAS COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
8015	$ 42,000 00	1	$100 00	..	.....	1	$50 00	1	$40 00	1	$35 00
8016*	96,000 00	2	266 66	..	.....	1	150 00	2	90 00	1	40 00
8017	3,168 72	..	.....	..	.....	..	.....	..	.....	..	.....
8018	95,437 00	1	100 00	..	.....	1	50 00	..	.....	..	.....
8019	9,300 00	..	.....	..	.....	..	.....	..	.....	..	.....
8020	8,500 00	1	75 00	..	.....	..	.....	..	.....	..	.....
8021	40,500 00	1	75 00	1	$70 00	1	50 00	1	50 00	..	.....
8022	10,000 00	..	.....	1	25 00	..	.....	..	.....	..	.....
8023	26 387 00	1	80 00	..	.....	..	.....	..	.....	..	.....
8024	4,813 97	1	26 00	..	.....	..	.....	..	.....	..	.....
8026	2,590 00	..	.....	..	.....	..	.....	..	.....	..	.....
8027	1,115 00	..	.....	..	.....	..	.....	..	.....	..	.....
8029	600 00	..	.....	..	.....	..	.....	..	.....	..	.....
8030	5,304 31	..	.....	..	.....	..	.....	..	.....	..	.....
8031†	118,288 03	..	.....	..	.....	1	75 00	..	.....	1	40 00
8034	3,700 00	..	.....	..	.....	..	.....	..	.....	..	.....
8035	3,215 84	..	.....	..	.....	..	.....	..	.....	..	.....
8036	3,134 00	..	.....	..	.....	..	.....	..	.....	..	.....
8037‡	175,826 02	1	100 00	..	.....	1	75 00	3	150 00	..	.....
8038	36,786 02	1	50 00	..	.....	1	50 00	..	.....	..	.....
8039	4,080 00	..	.....	..	.....	..	.....	..	.....	..	.....
8040	580 00	..	.....	..	.....	..	.....	..	.....	..	.....
8041	510 00	..	.....	..	.....	..	.....	..	.....	..	.....
8043‡	26,155 27	2	135 00	..	.....	1	40 00	..	.....	..	.....
8044	4,250 00	1	90 00	..	.....	..	.....	..	.....	..	.....
8046	372 00	..	.....	..	.....	..	.....	..	.....	..	.....
8047	270 00	..	.....	..	.....	..	.....	..	.....	..	.....
8049	17,624 24	2	210 00	..	.....	..	.....	..	.....	..	.....
8051	16,348 00	2	200 00	1	100 00	1	100 00	1	40 00	..	.....
8090	106,252 04	1	125 00	..	.....	1	100 00	..	.....	1	50 00
8124	47,952 12	2	200 00	1	100 00	1	55 00	..	.....	..	.....
12244	38,756 00	1	85 00	..	.....	1	10 00	..	.....	..	.....
12245	38,000 00	1	90 00	..	.....	1	75 00	..	.....	..	.....
12247‡	37,063 00	1	69 00	..	.....	..	.....	..	.....	..	.....
Totals...42	$1,024,878 58	23	$2,076 66	4	$295 00	13	$880 00	8	$370 00	4	$165 00

*4 mines.
†3 mines.
‡2 mines.

TABLE IV27—COAL MINING—VINTON COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
8053*	$19,400 00	1	$60 00	1	$75 00	1	$50 00	1	$40 00	..	.....
8054	51,000 00	1	100 00	..	.....	1	75 00	..	.....	..	.....
8055	9,486 87	1	50 00	..	.....	1	50 00	1	20 00	..	.....
8056	5,280 00	1	50 00	1	50 00	..	.....	..	.....	..	.....
8057	24,320 00	1	100 00	..	.....	..	.....	..	.....	1	$50 00
8113	27,742 35	..	.....	..	.....	..	.....	..	.....	..	.....
8135	12,000 00	1	100 00	1	75 00	1	40 00	..	.....	..	.....
12252	2,000 00	..	.....	..	.....	..	.....	..	.....	..	.....
Totals....9	$151,229 22	6	$460 00	3	$200 00	4	$215 00	2	$60 00	1	$50 00

*2 mines.

TABLE IV28—COAL MINING—WASHINGTON COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
8062	$1,760 00	..	.....	..	.....	..	.....	..	.....	..	.....
Total ...1											

TABLE IV29—COAL MINING—WAYNE COUNTY.

Schedule Number.	Total amount paid in wages during year 1903.	OFFICE HELP.									
		Superintendents.		Salesmen.		Bookkeepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
8067	$5,845 59	1	$100 00	1	$150 00	1	$100 00	..	.....	..	.....
8070	39,960 00	1	200 00	..	.....	..	.....	..	.....	..	.....
8071	33,855 48	2	200 00	..	.....	1	50 00	2	$100 00	..	.....
8072	17,137 70	1	80 00	..	.....	..	.....	..	.....	..	.....
Totals....4	$96,798 77	5	$580 00	1	$150 00	2	$150 00	2	$100 00	..	.....

TABLE V—COAL MINING.

Giving by Counties Total Number of Mines Reported, Total Number Employed Each Month and Monthly Average for the Year 1903.

Counties.	Number of Mines reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Athens	40	5,475	...	5,492	...	5,483	...	5,439	...	5,289	....
Belmont	48	2,796	...	2,855	...	2,855	...	3,035	...	3,102	....
Carroll	11	696	...	692	...	699	...	706	...	692	....
Columbiana	35	1,268	...	1,339	...	1,354	...	1,349	...	1,346	....
Coshocton	15	852	...	862	...	886	...	882	...	921	....
Gallia	1	50	...	50	...	51	...	48	...	43	....
Guernsey	21	2,552	...	2,568	...	2,537	...	2,553	...	2,548	....
Harrison	10	508	...	505	...	489	...	487	...	465	....
Hocking	17	2,913	...	2,907	...	2,909	...	2,916	...	2,928	....
Holmes	6	79	...	73	...	62	...	67	...	63	....
Jackson	55	4,070	...	4,025	...	3,975	...	3,621	...	3,599	....
Jefferson	40	2,971	...	2,976	...	3,140	...	3,342	...	3,362	....
Lawrence	14	393	...	386	...	388	...	370	...	378	....
Mahoning	13	183	...	182	...	172	...	161	...	151	....
Medina	9	279	...	279	..	284	...	274	..	272	....
Meigs	15	580	..	573	..	647	..	613	..	628	....
Morgan	2	106	..	107	...	105	...	108	...	110	....
Muskingum	41	502	...	490	...	486	...	445	...	439	....
Noble	14	27	...	27	...	20	...	14	...	14	....
Perry	49	4,505	...	4,513	...	4,474	..	4,494	...	4,541	....
Portage	2	172	...	168	...	168	...	165	...	160	....
Scioto	3	39	...	35	...	30	...	21	...	21	....
Stark	50	2,131	...	2,126	...	2,088	...	1,783	...	1,752	....
Summit	5	50	...	48	...	38	...	29	...	18	....
Trumbull	3	30	...	30	...	29	...	24	...	20	....
Tuscarawas	42	1,800	...	1,791	...	1,783	...	1,767	...	1,757	....
Vinton	9	340	...	349	...	331	...	289	...	306	....
Washington	1	5	...	5	...	5	...	5	..	3	....
Wayne	4	248	...	248	...	248	...	181	...	181	....
Totals and averages	575	35,620	...	35,701	...	35,736	...	35,188	...	35,089	....

TABLE V—COAL MINING—Concluded.

Giving by Counties Total Number of Mines Reported, Total Number Employed Each Month and Monthly Average for the Year 1903.

June.		July.		August.		September.		October.		November.		December.		Monthly Average,	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
5 375	...	5 425	...	5 452	...	5 448	...	5 446	...	5 447	...	5 402	...	5 431	.....
3 193	...	3 270	...	3 310	...	3 431	...	3 478	...	3 540	...	3 691	...	3 213	.....
695	...	694	...	698	...	693	...	702	...	703	...	705	...	698	.....
1,310	...	1,316	...	1,285	...	1,319	...	1,337	...	1,374	...	1,354	...	1,329	.....
917	...	909	...	890	...	911	...	893	...	915	...	924	...	897	.....
45	...	50	...	46	...	41	...	41	...	38	...	53	...	46	.....
2,603	...	2,619	...	2,697	...	2,713	...	2,767	...	2,812	...	2,744	...	2,643	.....
454	...	403	...	418	...	431	...	439	...	440	...	443	...	457	.....
2,937	...	2,938	...	2,941	...	2,935	...	2,930	...	2,935	...	2,923	...	2,926	.....
57	...	56	...	57	...	57	...	54	...	57	...	57	...	62	.....
3,614	...	3,678	...	3,975	...	4,021	...	4,000	...	3,988	...	4,080	...	3,887	.....
3,374	...	3,869	...	3,940	...	3,964	...	4,162	...	4,335	...	4,419	...	3,654	.....
391	...	337	...	369	...	382	...	393	...	351	...	390	...	376	.....
143	...	154	...	165	...	182	...	190	...	199	...	194	...	173	.....
274	...	273	...	274	...	274	...	277	...	277	...	288	...	277	.....
556	...	649	...	650	...	723	...	708	...	707	...	656	...	641	.....
119	..	121	...	123	...	124	...	138	...	141	...	140	...	120	.....
431	...	438	...	426	...	443	...	473	...	478	...	464	...	459	.....
15	...	13	...	19	...	27	...	33	...	22	...	21	...	21	.....
4,642	...	4,671	...	4,523	...	4,550	...	4,707	...	4,791	...	4,836	...	4,604	.....
160	...	160	...	168	...	170	...	172	...	172	...	172	...	167	.....
26	...	36	...	45	...	36	...	37	...	38	...	38	...	34	.....
1,702	...	1,670	...	1,959	...	1,994	...	1,970	...	2,008	...	1,959	...	1,929	.....
21	...	19	...	25	...	36	...	42	...	42	...	44	...	34	.....
19	...	17	...	19	...	21	...	26	...	31	...	33	...	25	.....
1,783	...	1,777	...	1,766	...	1,874	...	1,915	...	1,884	...	1,937	...	1,819	.....
298	...	306	...	343	...	354	...	364	...	371	...	369	...	335	.....
2	...	2	...	2	...	3	...	5	...	5	...	5	...	4	.....
107	...	107	...	174	...	174	...	224	...	248	...	248	...	199	.....
35,263	...	35,977	...	36,759	...	37.331	...	37,923	...	38,349	...	38,589	...	36,460	.....

TABLE VI—COAL MINING.

GIVING NUMBER EMPLOYED EACH MONTH FOR THE YEAR 1903.

TABLE VII—COAL MINING—ATHENS COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7500	104	....	102	....	98	....	97	....	95	.....
7501*	219	....	213	....	225	....	210	....	210	.....
7502	300	....	310	....	310	....	310	....	310	.....
7502½	318	....	320	....	320	....	322	....	330	.....
7503*	627	....	630	....	597	....	574	....	453	.....
7504	19	....	19	....	19	....	19	....	19	.....
7505	6	....	8	....	11	....	10	....	4	.....
7506†	2,547	....	2,547	....	2,547	....	2,547	....	2,547	.....
7508	1	....	1	....	1	....	1	....	1	.....
7509	3	....	3	....	3	....	3	....	3	.....
7513	176	....	181	....	185	....	183	....	179	.....
7515	233	....	225	....	233	....	247	....	241	.....
7516	171	....	171	....	171	....	171	....	171	.....
7517	36	....	32	....	38	....	40	....	39	.....
7518	58	....	72	....	71	....	71	....	61	.....
7521	65	....	65	....	60	....	50	....	30	.....
7522	13	....	13	....	13	....	13	....	13	.....
7524	157	....	154	....	160	....	162	....	155	.....
7526	32	....	34	....	33	....	36	....	30	.....
8137	15	....	15	....	15	....	15	....	15	.....
8138	98	....	98	....	98	....	98	....	98	.....
8139	38	....	38	....	38	....	38	....	38	.....
8140	18	....	18	....	18	....	18	....	18	.....
8142	180	....	182	....	190	....	175	....	200	.....
8168	29	....	29	....	29	....	29	....	29	.....
8081	....	....	....	....	....	....	....	....	....	.....
8084	12	....	12	....	....	....	....	....	....	.....
Totals.....40	5,475	....	5,492	....	5,483	....	5.439	....	5,289	.....

*2 mines.
†12 minesz

TABLE VII—COAL MINING—ATHENS COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
106	....	130	....	128	....	133	....	181	....	155	....	144	.....
210	....	212	....	215	....	215	....	225	....	226	....	230	.....
310	....	310	....	310	....	310	....	310	....	320	....	322	.....
330	....	328	....	340	....	344	....	338	....	338	....	340	.....
480	....	494	....	479	....	500	....	445	....	486	....	453	.....
19	....	19	....	19	....	.....	....	.....	....	.....	....	.....	.....
7	....	10	....	5	....	8	....	7	....	12	....	11	.....
2,547	....	2,547	....	2,547	....	2,457	....	2,547	....	2,547	....	2,547	.....
1	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	.....
3	....	3	....	3	....	3	....	3	....	3	....	3	.....
183	....	164	....	169	....	166	....	162	....	158	....	160	.....
243	....	243	....	252	....	237	....	226	....	225	....	209	.....
171	....	171	....	171	....	171	....	171	....	171	....	171	.....
30	....	37	....	34	....	42	....	42	....	30	....	34	.....
65	....	75	....	88	....	76	....	107	....	94	....	107	.....
40	....	48	....	59	....	68	....	70	....	72	....	60	.....
13	....	13	....	13	....	13	....	13	....	13	....	13	.....
178	....	173	....	178	....	159	....	153	....	156	....	157	.....
31	....	35	....	33	....	36	....	38	....	38	....	37	.....
15	....	15	....	15	....	15	....	15	....	15	....	15	.....
98	....	98	....	98	....	98	....	98	....	98	....	98	.....
38	....	38	....	38	....	38	....	38	....	38	....	38	.....
18	....	18	....	18	....	.....	....	.....	....	.....	....	.....	.....
210	....	215	....	211	....	220	....	208	....	203	....	204	.....
29	....	29	....	29	....	29	....	29	....	29	....	29	.....
.....	....	....	....	.....	....	.....	....	20	....	20	....	20	.....
.....	....	....	....	.....	....	.....	....	.....	....	.....	....	.....	.....
5,375	....	5,425	....	5,452	....	5,448	....	5,446	....	5,447	....	5,402	.....

TABLE VI2—COAL MINING—BELMONT COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7536*	800	....	850	....	875	....	950	....	1,000	.....
7537	54	....	54	....	....	....	55	....	55	.....
7539	102	....	111	....	110	....	121	....	132	.....
7540	80	....	80	....	80	....	74	....	74	.....
7541	34	....	32	....	30	....	30	....	28	.....
7542	174	....	147	....	160	....	181	....	176	.....
7544	10	....	8	....	8	....	6	....	5	.....
7545	1	....	1	....	1	....	1	....	1	.....
7546	3	....	3	....	3	....	2	....	2	.....
7547	6	....	6	....	6	....	7	....	7	.....
7548	3	....	3	....	3	....	1	....	1	.....
7549	6	....	6	....	6	....	5	....	5	.....
7550	7	....	7	....	7	....	7	....	7	.....
7551†	83	....	93	....	97	....	101	....	94	.....
7552‡	8	....	8	....	8	....	8	....	....	.....
7553	72	....	75	....	81	....	98	....	100	.....
7554	200	....	195	....	200	....	190	....	225	.....
7555‡	11	....	11	....	11	....	10	....	10	.....
7556	476	....	476	....	476	....	476	....	476	.....
7557	350	....	350	....	350	....	350	....	350	.....
7558	....	....	....	....	....	....	4	....	3	.....
7559	13	....	15	....	15	....	4	....	4	.....
7560	14	....	14	....	16	....	16	....	13	.....
7562	5	....	4	....	4	....	3	....	3	.....
7563‡	14	....	12	....	16	....	17	....	17	.....
7568	6	....	6	....	6	....	6	....	6	.....
7569	2	....	2	....	2	....	2	....	....	.....
7571	1	....	1	....	1	....	1	....	....	.....
7573	88	....	110	....	100	....	115	....	107	.....
7574	....	....	....	....	....	....	6	....	6	.....
7575	8	....	8	....	8	....	8	....	8	.....
8098	46	....	48	....	50	....	56	....	68	.....
8130	....	....	....	....	....	....	....	....	....	.....
8145	10	....	10	....	10	....	10	....	8	.....
8147†	55	....	55	....	55	....	55	....	55	.....
8151	54	....	54	....	60	....	59	....	56	.....
8152	....	....	....	....	....	....	....	....	....	.....
Totals..... 48	2,796	....	2,855	....	2,855	....	3,035	....	3,102	.....

*4 mines.
†2 mines.
‡3 mines.
†2 mines.
‡3 mines.

TABLE VI2—COAL MINING—BELMONT—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
1,000	....	975	....	960	....	975	....	960	....	980	....	925	.....
55	....	60	....	60	....	66	....	66	....	66	....	66	.....
141	....	135	....	126	....	142	....	150	....	148	....	160	.....
74	....	74	....	74	....	74	....	74	....	74	....	74	.....
30	....	30	....	30	....	32	....	34	....	34	....	34	.....
183	....	177	....	173	....	190	....	188	....	192	....	209	.....
4	....	4	....	4	....	4	....	7	....	7	....	8	.....
1	....	1	....	1	....	1	....	1	....	1	....	1	.....
2	....	2	....	2	....	2	....	2	....	3	....	3	.....
7	....	7	....	7	....	7	....	4	....	5	....	5	.....
1	....	1	....	3	....	3	....	3	....	3	....	3	.....
3	....	2	....	2	....	2	....	3	....	4	....	4	.....
7	....	7	....	7	....	7	....	7	....	7	....	7	.....
128	....	167	....	158	....	168	....	151	....	152	....	183	.....
.....	....	....	....	8	....	8	....	8	....	8	....	8	.....
140	....	132	....	192	....	215	....	277	....	277	....	316	.....
215	....	200	....	200	....	195	....	190	....	180	....	190	.....
8	....	8	....	8	....	9	....	9	....	10	....	10	.....
476	....	476	....	476	....	476	....	476	....	476	....	476	.....
350	....	350	....	350	....	350	....	350	....	350	....	350	.....
3	....	3	....	5	....	8	....	8	....	8	....	8	.....
5	....	5	....	4	....	4	....	4	....	4	....	5	.....
12	....	7	....	7	....	7	....	10	....	12	....	12	.....
2	....	2	....	2	....	3	....	3	....	4	....	5	.....
17	....	31	....	31	....	36	....	38	....	48	....	58	.....
6	....	6	....	6	....	6	....	6	....	6	....	6	.....
.....	....	....	....	.....	....	.....	....	.....	....	2	....	2	.....
.....	....	....	....	.....	....	.....	....	.....	....	.....	....	.....	.....
129	....	117	....	108	....	109	....	97	....	98	....	130	.....
7	....	11	....	12	....	13	....	13	....	14	....	14	.....
8	....	8	....	8	....	8	....	8	....	8	....	8	.....
59	....	54	....	49	....	52	....	51	....	58	....	74	.....
.....	....	....	....	.....	....	20	....	30	....	40	....	50	.....
5	....	3	....	4	....	4	....	7	....	8	....	8	.....
55	....	55	....	55	....	55	....	55	....	55	....	55	.....
60	....	60	....	58	....	60	....	62	....	62	....	59	.....
.....	....	100	....	114	....	120	....	126	....	136	....	165	.....
3,193	....	3,270	....	3,310	....	3,431	....	3,478	....	3,540	....	3,691	.....

TABLE VI3—COAL MINING—CARROLL COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7580	....	....	....	....	....	....	....	....	....	....
7581	3	....	3	....	3	....	3	....	3	....
7582	74	....	74	....	76	....	86	....	77	....
7583	4	....	4	....	4	....	....	....	....	....
7584	2	....	2	....	2	....	2	....	2	....
7585–1	186	....	186	....	186	....	186	....	186	....
7585–2	133	....	133	....	133	....	133	....	133	....
7585–3	176	....	176	....	176	....	176	....	176	....
7586	....	....	....	....	....	....	....	....	....	....
7588	110	....	106	....	109	....	109	....	106	....
8121	8	....	8	....	10	....	11	....	9	....
Totals..... 11	696	....	692	....	699	....	706	....	692	....

TABLE VI3—COAL MINING—CARROLL COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
2	....	2	....	2	....	3	....	4	....	4	....	3	.....
3	....	3	....	3	....	3	....	3	....	3	....	3	.....
74	....	80	....	80	....	78	....	81	....	83	....	85	.....
.....	....	....	....	....	....	....	....	....	....	4	....	4	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
186	....	186	....	186	....	186	....	186	....	186	....	186	.....
133	....	133	....	133	....	133	....	133	....	133	....	133	.....
176	....	176	....	176	....	176	....	176	....	176	....	176	.....
.....	....	....	....	5	....	5	....	5	....	.....	....	.....	.....
110	....	104	....	103	....	100	....	105	....	105	....	106	.....
9	....	8	....	8	....	7	....	7	....	7	....	7	.....
695	....	694	....	698	....	693	....	702	....	703	....	705	.....

TABLE VI4—COAL MINING—COLUMBIANA COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7593*	60	....	61	....	60	....	61	....	63	.....
7595	44	....	38	....	36	....	14	....	18	.....
7596	89	....	89	....	90	....	90	....	91	.....
7597	3	....	3	....	3	....	3	....	3	.....
7598	1	....	1	....	1	....	....	....	....	.....
7599	....	....	2	....	2	....	2	....	3	.....
7601	3	....	3	....	3	....	3	....	3	.....
7602	10	....	10	....	6	....	4	....	2	.....
7603*	80	....	80	....	80	....	80	....	80	.....
7604	47	....	53	....	50	....	58	....	63	.....
7606	3	....	3	....	3	....	....	....	....	.....
7607	4	....	4	....	4	....	....	....	....	.....
7608	54	....	62	....	69	....	79	....	83	.....
7609	79	....	73	....	75	....	78	....	73	.....
7610	2	....	2	....	1	....	1	....	....	.....
7612	60	....	60	....	65	....	65	....	68	.....
7613	81	....	81	....	81	....	81	....	81	.....
7614	70	....	70	....	70	....	70	....	70	.....
7615	8	....	8	....	8	....	8	....	8	.....
7616	12	....	12	....	12	....	12	....	12	.....
7617*	250	....	250	....	250	....	250	....	250	.....
7618	12	....	12	....	12	....	10	....	10	.....
7619	9	....	9	....	9	....	9	....	9	.....
7620	3	....	3	....	....	....	2	....	1	.....
7621	13	....	13	....	13	....	13	....	13	.....
7623	150	....	150	....	150	....	150	....	150	.....
7624	2	....	2	....	2	....	2	....	2	.....
7626*	70	....	70	....	75	....	76	....	78	.....
8104	35	....	45	....	54	....	57	....	39	.....
8128	30	....	30	....	30	....	30	....	31	.....
8159	44	....	40	....	40	....	41	....	42	.....
Totals..... 35	1,268	....	1,339	....	1,354	....	1,349	....	1,346	.....

*2 mines.

TABLE VI4—COAL MINING—COLUMBIANA COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
64	....	60	....	65	....	67	....	69	....	69	....	70	.....
16	....	22	....	20	....	26	....	26	....	34	....	34	.....
90	....	91	....	89	....	93	....	91	....	93	....	95	.....
3	....	3	....	3	....	3	....	3	....	3	....	3	.....
.....	....	....	....	.....	....	1	....	3	....	4	....	4	.....
2	....	4	....	4	....	3	....	3	....	5	....	5	.....
3	....	3	....	3	....	3	....	3	....	3	....	3	.....
2	....	2	....	2	....	3	....	4	....	4	....	4	.....
80	....	80	....	80	....	80	....	80	....	80	....	80	.....
54	....	48	....	54	....	60	....	65	....	61	....	68	.....
.....	....	....	....	.....	....	.....	....	3	....	3	....	3	.....
1	....	1	....	1	....	4	....	4	....	4	....	4	.....
86	....	93	....	94	....	95	....	93	....	94	....	95	.....
71	....	67	....	57	....	57	....	57	....	77	....	79	.....
.....	....	....	....	.....	....	.....	....	2	....	2	....	2	.....
60	....	55	....	55	....	58	....	60	....	65	....	75	.....
81	....	81	....	81	....	81	....	81	....	81	....	81	.....
70	....	70	....	70	....	70	....	70	....	70	....	70	.....
8	....	8	....	8	....	8	....	8	....	8	....	8	.....
12	....	12	....	12	....	12	....	12	....	12	....	12	.....
250	....	250	....	250	....	250	....	250	....	250	....	250	.....
10	....	10	....	10	....	12	....	12	....	12	....	12	.....
9	....	9	....	9	....	9	....	9	....	9	....	9	.....
1	....	1	....	2	....	3	....	3	....	4	....	4	.....
13	....	13	....	13	....	13	....	13	....	13	....	13	.....
150	....	150	....	150	....	150	....	150	....	150	....	150	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
78	....	80	....	80	....	85	....	86	....	89	....	89	.....
19	....	26	....	.....	....	.....	....	.....	....	.....	....	.....	.....
31	....	31	....	31	....	31	....	31	....	31	....	30	.....
44	....	44	....	40	....	40	....	42	....	42	....	.....	.....
1,310	....	1,316	....	1,285	....	1,319	....	1,337	....	1,374	....	1,354	.....

TABLE VI5—COAL MINING—COSHOCTON COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7630	77	....	76	....	77	....	88	....	104	.....
7631	52	....	44	....	49	....	54	....	64	.....
7633	6	....	5	....	5	....	4	....	4	.....
7634	6	....	9	....	10	....	1	....	1	.....
7635	4	....	4	....	4	....	4	....	4	.....
7636	121	....	121	....	132	....	130	....	132	.....
7637	24	....	24	....	24	....	20	....	20	.....
7640	70	....	80	....	85	....	90	....	95	.....
7641	5	....	5	....	4	....	3	....	2	.....
7642	3	....	3	....	3	....	3	....	3	.....
7872*	2	....	2	....	2	....	2	....	2	.....
8088	75	....	75	....	75	....	75	....	75	.
8160	350	....	355	....	354	....	349	....	352	.....
8162	57	....	59	....	62	....	59	....	63	.....
Totals..... 15	852	....	862	....	886	....	882	....	921	.....

*2 mines.

TABLE VI5—COAL MINING—COSHOCTON COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
103	....	98	....	87	....	87	....	87	....	96	....	90	.....
60	....	60	....	55	....	62	....	55	....	58	....	63	.....
1	....	1	....	1	....	1	....	2	....	4	....	5	.....
2	....	1	....	2	....	3	....	3	....	3	....	4	.....
4	....	4	....	4	....	4	....	4	....	4	....	4	.....
135	....	132	....	131	....	128	....	117	....	124	....	127	.....
16	....	16	....	16	....	20	....	20	....	20	....	20	.....
95	....	95	....	95	....	95	....	98	....	105	....	110	.....
2	....	2	....	3	....	5	....	5	....	6	....	6	.....
3	....	3	....	3	....	3	....	3	....	3	....	3	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
75	....	75	....	75	....	75	....	75	....	75	....	75	.....
350	....	351	....	348	....	351	....	345	....	346	....	350	.....
69	....	69	....	68	....	75	....	77	....	69	....	65	.....
917	....	909	....	890	....	911	....	893	....	915	....	924	.....

TABLE VI6—COAL MINING—GALLIA COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7647	50	....	50	....	51	....	48	....	43	.....
Total..... 1										

TABLE VI6—COAL MINING—GALLIA COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
45	....	50	....	46	....	41	....	41	....	38	....	53	.....

TABLE VI7—COAL MINING—GUERNSEY COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7650*	404	....	401	....	406	....	403	....	403	.....
7651*	498	....	492	....	496	....	489	....	482	.....
7652	128	....	132	....	129	....	127	....	121	.....
7653	136	....	136	....	136	....	136	....	136	.....
7656	....	....	....	....	....	....	....	....	....	.....
7658	49	....	53	....	48	....	36	....	28	.....
7659	146	....	146	....	146	....	146	....	146	.....
7660	....	....	....	....	....	....	....	....	....	.....
7661	100	....	102	....	99	....	110	....	110	.....
7662	78	....	79	....	63	....	67	....	67	.....
7663†	662	....	660	....	642	....	656	....	697	.....
7664	2	....	2	....	2	....	2	....	2	.....
7927	120	....	112	....	112	....	130	....	108	.....
8080	32	....	38	....	39	....	48	....	52	.....
8123	20	....	38	....	42	....	26	....	19	.....
8163	177	....	177	....	177	....	177	....	177	.....
Totals..... 21	2,552	....	2,568	....	2,537	....	2,553	....	2,548	.....

*2 mines.
†4 mines.

TABLE VI7—COAL MINING—GUERNSEY COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
416	....	411	....	415	....	401	....	410	....	414	....	412	.....
482	....	481	....	493	....	493	....	502	....	504	....	511	.....
119	....	119	....	121	....	126	....	128	....	131	....	132	.....
136	....	136	....	136	....	136	....	136	....	136	....	136	.....
.....	....	....	....	90	....	95	....	98	....	115	....	109	.....
22	....	17	....	.....	....	.....	....	.....	....	.....	....	.....	.....
146	....	146	....	146	....	146	....	146	....	146	....	.....	.....
10	....	6	....	8	....	8	....	9	....	7	....	7	.....
111	....	122	....	115	....	132	....	129	....	121	....	124	.....
48	....	46	....	50	....	52	....	50	....	52	....	58	.....
755	....	766	....	757	....	764	....	797	....	833	....	884	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
106	....	114	....	105	....	109	....	113	....	107	....	114	.....
51	....	52	....	60	....	72	....	70	....	67	....	78	.....
22	....	24	....	22	....	.....	....	.....	....	.....	....	.....	.....
177	....	177	....	177	....	177	....	177	....	177	....	177	.....
2,603	....	2,619	....	2,697	....	2,713	....	2,767	....	2,812	....	2,744	.....

TABLE VI8—COAL MINING—HARRISON COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7670	1	....	1	....	....	....	....	....	....	.....
7671	7	....	7	....	6	....	5	....	4	.....
7673	1	....	1	....	1	....	1	....	1	.....
7674	88	....	91	....	82	....	81	....	60	.....
7675	....	....	1	....	....	....	....	....	....	.....
7676	367	....	367	....	367	....	367	....	367	.....
7677	....	....	....	....	....	....	....	....	....	.....
7679	....	....	....	....	....	....	....	....	....	.....
7680	4	....	4	....	4	....	4	....	3	.....
8103	40	....	33	....	29	....	29	....	30	.....
Totals..... 10	508	....	505	....	489	....	487	....	465	.....

TABLE VI8—COAL MINING—HARRISON COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
.....	....	....	....	.....	....	.....	....	1	....	1	....	1	.....
4	....	4	....	4	....	6	....	8	....	8	....	8	.....
1	....	....	....	.....	....	1	....	1	....	1	....	1	.....
49	....	....	....	.....	....	.....	....	.....	....	.....	....	.....	.....
.....	....	....	....	.....	....	.....	....	1	....	1	....	1	.....
367	....	367	....	367	....	367	....	367	....	367	....	367	.....
.....	....	....	....	.....	....	.....	....	1	....	1	....	1	.....
.....	....	....	....	.....	....	.....	....	.....	....	1	....	1	.....
3	....	3	....	3	....	4	....	4	....	4	....	4	.....
30	....	29	....	44	....	53	....	56	....	56	....	59	.....
454	....	403	....	418	....	431	....	439	....	440	....	443	.....

TABLE VI9—COAL MINING—HOCKING COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7519	20	....	17	....	22	....	20	....	21	.....
7685*	840	....	837	....	835	....	842	....	850	.....
7688*	452	....	452	....	452	....	452	....	452	.....
7689†	1,567	....	1,567	....	1,567	....	1,567	....	1567	.....
7690	18	....	18	....	18	....	18	....	18	.....
8170	16	....	16	....	15	....	17	....	20	.....
Totals..... 17	2,913	....	2,907	....	2,909	....	2,916	....	2,928	.....

*4 mines.
†6 mines

TABLE VI9—COAL MINING—HOCKING COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
24	....	24	....	20	....	20	....	21	....	20	....	19	.....
856	....	858	....	864	....	856	....	856	....	860	....	852	.....
452	....	452	....	452	....	452	....	452	....	452	....	452	.....
1,567	....	1,567	....	1,567	....	1,567	....	1,567	....	1,567	....	1,567	.....
18	....	18	....	18	....	18	....	18	....	18	....	18	.....
20	....	19	....	20	....	22	....	16	....	18	....	15	.....
2,937	....	2,938	....	2,941	....	2,935	....	2 930	....	2,935	....	2,923	.....

TABLE VIIo—COAL MINING—HOLMES COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7696	6	....	6	....	6	....	6	....	6	.....
7697	2	....	2	....	2	....	2	....	2	.....
7698	25	....	20	....	15	....	10	....	8	.....
7699	8	....	8	....	8	....	8	....	8	.....
7701	2	....	2	....	2	....	2	....	2	.....
8105	36	....	35	....	29	....	39	....	37	.....
Totals 6	79	....	73	....	62	....	67	....	63	.....

TABLE VI10—COAL MINING—HOLMES COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
6	....	6	....	6	....	6	....	6	....	6	....	6	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
8	....	6	....	4	....	10	....	10	....	10	....	10	.....
8	....	8	....	8	....	8	....	8	....	8	....	8	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
31	....	32	....	35	....	29	....	26	....	29	....	27	.....
57	....	56	....	57	....	57	....	54	....	57	....	57	.....

TABLE VIII—COAL MINING—JACKSON COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7705	300	....	300	....	275	....	120	....	115	.....
7706	88	....	89	....	92	....	85	....	85	.....
7707*	80	....	73	....	72	....	70	....	67	.....
7708	....	....	....	....	7	....	7	....	9	.....
7709	10	....	10	....	10	....	10	....	8	.....
7710*	327	....	322	....	251	....	212	....	184	.....
7712	65	....	59	....	61	....	50	....	50	.....
7713*	54	....	19	....	23	....	19	....	18	.....
7714	20	....	20	....	20	....	15	....	15	.....
7715	13	....	13	....	12	....	13	....	14	.....
7716	33	....	33	....	33	....	33	....	33	.....
7718†	296	....	292	....	303	....	302	....	303	.....
7719	15	....	15	....	15	....	1	....	1	.....
7720†	326	....	341	....	316	....	316	....	309	.....
7721‡	1,340	....	1,344	....	1,384	....	1,418	....	1,467	.....
7722	6	....	6	....	6	....	....	....	....	.....
7723	2	....	2	....	2	....	2	....	2	.....
7724	199	....	185	....	201	....	185	....	177	.....
7725	35	....	37	....	39	....	35	....	35	.....
7726	41	....	42	....	40	....	30	....	28	.....
7729	51	....	55	....	51	....	37	....	35	.....
7731*	210	....	200	....	190	....	180	....	175	.....
7732	130	....	128	....	130	....	65	....	66	.....
7733	....	....	....	....	....	....	....	....	....	.....
7734	15	....	15	....	15	....	15	....	15	.....
7735	56	....	56	....	56	....	56	....	56	.....
7736	2	....	2	....	2	....	2	....	2	.....
7739	53	....	53	....	53	....	53	....	53	.....
7740*	45	....	50	....	60	....	45	....	46	.....
7741	10	....	10	....	10	....	10	....	10	.....
7742	15	....	15	....	15	....	15	....	15	.....
7746	30	....	28	....	29	....	29	....	25	.....
8132	16	....	14	....	20	....	18	....	18	.....
8173	42	....	45	....	40	....	35	....	38	.....
8175	62	....	59	....	56	....	56	....	53	.....
8177	8	....	8	....	8	....	8	....	8	.....
8178	45	....	50	....	49	....	44	....	37	.....
8179	30	....	35	....	32	....	30	....	27	.....
Totals..... 55	4,070	....	4,025	....	3,975	....	3,621	....	3,599	.....

*2 mines.
†3 mines.
‡9 mines.

TABLE VIII—COAL MINING—JACKSON COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
100	....	100	....	200	....	275	....	290	....	300	....	300	.....
75	....	75	....	85	....	80	....	80	....	75	....	70	.....
66	....	65	....	80	....	85	....	90	....	85	....	95	.....
9	....	7	....	6	....	9	....	8	....	9	....	9	.....
8	....	8	....	8	....	8	....	8	....	8	....	8	.....
158	....	157	....	141	....	94	....	91	....	80	....	83	.....
49	....	56	....	68	....	73	....	66	....	61	....	57	.....
42	....	49	....	41	....	48	....	40	....	34	....	35	.....
15	....	15	....	15	....	12	....	10	....	10	....	10	.....
14	....	14	....	14	....	14	....	14	....	14	....	14	.....
33	....	33	....	33	....	33	....	33	....	33	....	33	.....
275	....	316	....	297	....	291	....	278	....	314	....	306	.....
1	....	1	....	1	....	1	....	2	....	2	....	2	.....
335	....	318	....	332	....	315	....	301	....	307	....	311	.....
1,501	....	1,492	....	1,587	....	1,595	....	1,589	....	1,564	....	1,618	.....
.....	....	....	....	.....	....	.....	....	.....	....	.....	....	.....	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
165	....	158	....	172	....	183	....	177	....	184	....	201	.....
38	....	47	....	45	....	52	....	44	....	41	....	38	.....
30	....	31	....	35	....	35	....	40	....	50	....	50	.....
35	....	32	....	32	....	35	....	43	....	37	....	37	.....
175	....	185	....	190	....	200	....	210	....	210	....	220	.....
60	....	100	....	110	....	112	....	120	....	118	....	120	.....
.....	....	....	....	29	....	32	....	39	....	36	....	34	.....
15	....	15	....	15	....	15	....	15	....	15	....	15	.....
56	....	56	....	56	....	56	....	56	....	56	....	56	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
53	....	53	....	53	....	53	....	53	....	53	....	53	.....
50	....	40	....	70	....	50	....	40	....	60	....	55	.....
10	....	10	....	10	....	10	....	10	....	10	....	10	.....
15	....	15	....	15	....	15	....	15	....	15	....	15	.....
26	....	25	....	28	....	30	....	28	....	27	....	25	.....
24	....	24	....	28	....	30	....	28	....	.....	....	16	.....
48	....	46	....	39	....	40	....	42	....	40	....	43	.....
56	....	51	....	51	....	52	....	50	....	50	....	52	.....
8	....	8	....	8	....	8	....	8	....	8	....	8	.....
36	....	38	....	44	....	40	....	43	....	54	....	52	.....
29	....	34	....	33	....	36	....	35	....	24	....	25	.....
3,614	....	3,678	....	3,975	....	4,021	....	4,000	....	3,988	....	4,080	.....

TABLE VI12—COAL MINING—JEFFERSON COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7750	4	....	4	....	4	....	4	....	4	.....
7751*	1,100	....	1,135	....	1,150	....	1,175	....	1,200	.....
7752	73	....	73	....	75	....	77	....	77	.....
7753	....	....	....	....	....	....	....	....	....	.....
7754	45	....	37	....	40	....	45	....	40	.....
7755	10	....	10	....	10	....	10	....	10	.....
7756	5	....	7	....	8	....	12	....	12	.....
7757	5	....	5	....	5	....	5	....	5	.....
8758	2	....	....	....	....	....	....	....	....	...
7759	....	....	....	....	....	....	2	....	2	.....
7760	2	....	2	....	2	....	2	....	....	.....
7761	2	....	2	....	2	....	2	....	1	.....
7762	75	....	70	....	70	....	75	....	75	.....
7764†	182	....	196	....	258	....	294	....	316	.....
7765	193	....	181	....	189	....	214	....	239	.....
7766	5	....	5	....	5	....	4	....	4	.....
7767†	399	....	394	....	424	....	421	....	423	.....
7767½	....	....	....	....	....	....	114	....	108	.....
7768	2	....	4	....	4	....	2	....	2	.....
7771	184	....	178	....	178	....	183	....	185	.....
7772	7	....	7	....	7	....	7	....	3	.....
7773	73	....	84	....	98	....	88	....	86	.....
7775	83	....	83	....	83	....	83	....	83	.....
7778	169	....	169	....	169	....	169	....	169	.....
8181	178	....	180	....	175	....	175	....	170	.....
8184‡	....	....	....	....	....	....	....	....	....	.....
8185	131	....	145	....	142	....	139	....	128	.....
8186	42	....	5	....	42	....	40	....	20	.....
Totals 40	2,971	....	2,976	....	3,140	....	3,342	....	3,362	.....

*3 mines.
†2 mines.
‡9 mines.

TABLE VI12—COAL MINING—JEFFERSON COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
4	....	4	....	4	....	4	....	4	....	4	....	4	.....
1,205	....	1,201	....	1,210	....	1,215	....	1,220	....	1,250	....	1,260	.....
77	....	76	....	79	....	79	....	79	....	79	....	79	.....
.....	....	....	....	....	....	....	....	105	....	305	....	116	.....
45	....	42	....	40	....	40	....	45	....	45	....	45	.....
10	....	10	....	10	....	10	....	10	....	10	....	10	.....
12	....	10	....	12	....	14	....	11	....	11	....	10	.....
5	....	5	....	5	....	5	....	5	....	5	....	5	.....
.....	....	....	....	....	....	....	....	2	....	2	....	2	.....
2	....	1	....	4	....	4	....	5	....	9	....	9	.....
.....	....	....	....	....	....	....	....	2	....	2	....	2	.....
1	....	1	....	....	....	....	....	2	....	2	....	2	.....
70	....	75	....	80	....	70	....	70	....	70	....	80	.....
338	....	366	....	375	....	405	....	417	....	458	....	528	.....
244	....	233	....	210	....	211	....	216	....	211	....	204	.....
2	....	2	....	2	....	3	....	4	....	5	....	5	.....
420	....	396	....	419	....	418	....	427	....	422	....	420	.....
110	....	117	....	116	....	122	....	121	....	122	....	123	.....
2	....	2	....	2	....	2	....	2	....	.....	....	2	.....
150	....	169	....	178	....	189	....	186	....	205	....	209	.....
3	....	3	....	3	....	3	....	7	....	7	....	7	.....
97	....	99	....	96	....	91	....	95	....	93	....	96	.....
83	....	83	....	83	....	83	....	83	....	83	....	83	.....
169	....	169	....	169	....	169	....	169	....	169	....	169	.....
173	....	171	....	165	....	162	....	176	....	179	....	186	.....
.....	....	452	....	488	....	471	....	475	....	567	....	511	.....
110	....	136	....	138	....	144	....	156	....	155	....	182	.....
42	....	46	....	52	....	50	....	68	....	65	....	70	.....
3,374	....	3,869	....	3,940	....	3,964	....	4,162	....	4,335	....	4,419	.....

TABLE VI13—COAL MINING—LAWRENCE COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7779	3	....	3	....	3	....	3	....	3	.....
7780*	115	....	119	....	123	....	116	....	110	.....
7781	10	....	10	....	10	....	10	....	10	.....
7782	77	....	77	....	77	....	77	....	77	.....
7783	..	....	....	....	....	....	....	....	....	.....
7784	10	....	10	....	10	....	8	....	5	.....
8118†	10	....	10	....	10	....	10	....	10	.....
8127	168	....	157	....	155	....	146	....	143	.....
Totals 14	393	....	386	....	388	....	370	....	358	.....

*2 mines.
†6 mines.

TABLE VI13—COAL MINING—LAWRENCE COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
3	....	3	....	3	....	3	....	3	....	3	....	3	.....
112	....	98	....	94	....	100	....	103	....	98	....	96	.....
10	....	10	....	10	....	10	....	10	....	10	....	10	.....
77	....	77	....	77	....	77	....	77	....	77	....	77	.....
.....	....	....	....	.....	....	2	....	2	....	2	....	2	.....
4	....	5	....	7	....	10	....	10	....	10	....	10	.....
10	....	10	....	10	....	10	....	10	....	10	....	10	.....
175	....	134	....	168	....	170	....	178	....	141	....	182	.....
391	....	337	....	369	....	382	....	393	....	351	....	390	.....

TABLE VI14—COAL MINING—MAHONING COUNTY.

Schedule Number	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7788	66	....	67	....	66	....	65	....	64	.....
7789	6	....	6	....	6	....	6	....	6	.....
7790	3	....	3	....	3	....	2	....	2	.....
7791	12	....	12	....	13	....	9	....	9	.....
7792	6	....	6	....	6	....	5	....	4	.....
7793	7	....	7	....	4	....	3	....	4	.....
7794	3	....	3	....	3	....	2	....	....	.....
7795	7	....	7	....	5	....	5	....	5	.....
7797	49	....	49	....	52	....	52	....	47	.....
7798	8	....	6	....	6	....	4	....	2	.....
7799	2	....	2	....	....	....	....	....	....	.....
7800	4	....	4	....	4	....	4	....	4	.....
8194	10	....	10	....	4	....	4	....	4	.....
Totals..... 13	183	....	182	....	172	....	161	....	151	.....

TABLE VI14—COAL MINING—MAHONING COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
64	....	62	....	62	....	65	....	66	....	66	....	66	.....
6	....	6	....	6	....	6	....	6	....	6	....	6	.....
2	....	2	....	2	....	2	....	3	....	3	....	3	.....
6	....	7	....	8	....	16	....	18	....	12	....	13	.....
4	....	4	....	7	....	6	....	7	....	7	....	7	.....
3	....	5	....	5	....	6	....	7	....	7	....	7	.....
.....	....	....	....	.....	....	2	....	3	....	3	....	3	.....
3	....	3	....	3	....	4	....	5	....	6	....	7	.....
45	....	55	....	58	....	60	....	60	....	71	....	65	.....
2	....	2	....	4	....	4	....	4	....	6	....	7	.....
.....	....	....	....	2	....	2	....	2	....	2	....	....	.....
4	....	4	....	4	....	4	....	4	....	4	....	4	.....
4	....	4	....	4	....	5	....	5	....	6	....	6	.....
143	....	154	....	165	....	182	....	190	....	199	....	194	.....

TABLE VI15—COAL MINING—MEDINA COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7805	10	....	9	....	10	....	9	....	8	.....
7806	11	....	10	....	10	....	4	....	9	.....
7807*	205	....	205	....	205	....	205	....	205	.....
7809	7	....	8	....	7	....	6	....	6	.....
7810	8	....	8	....	8	....	8	....	8	.....
7811	39	....	39	....	44	....	42	....	36	.....
Totals..... 9	279	....	279	....	284	....	274	....	272	.....

*4 mines.

TABLE VI15—COAL MINING—MEDINA COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8	....	8	....	10	....	11	....	11	....	10	....	14	.....
10	....	10	....	11	....	11	....	12	....	14	....	15	.....
205	....	205	....	205	....	205	....	205	....	205	....	205	.....
6	....	6	....	6	....	6	....	7	....	7	....	8	.....
8	....	8	....	8	....	8	....	8	....	8	....	8	.....
37	....	36	....	34	....	33	....	35	....	33	....	38	.....
274	....	273	....	274	....	274	....	277	....	277	....	288	.....

TABLE VI16—COAL MINING—MEIGS COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7817	164	....	164	....	164	....	164	....	164	.....
7818	72	....	86	....	91	....	118	....	128	.....
7819	2	....	2	....	2	....	2	....	2	.....
7820	11	....	11	....	6	....	4	....	4	.....
7821*	10	....	10	....	10	....	10	....	10	.....
7823	58	....	49	....	58	....	67	....	68	.....
7824	25	....	25	....	25	....	25	....	25	.....
7825	6	....	6	....	6	....	6	....	6	.....
7826	3	....	3	....	1	....	....	....	....	.....
8199	130	....	130	....	130	....	130	....	130	.....
12202	67	....	55	....	52	....	54	....	58	.....
12203	....	....	....	....	....	....	....	....	....	.....
12204	....	....	....	....	70	....	....	....	....	.....
12207	32	....	32	....	32	....	33	....	33	.....
Totals 15	580	....	573	....	647	....	613	....	628	.....

*2 mines.

TABLE VI16—COAL MINING—MEIGS COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
164	....	164	....	164	....	164	....	164	....	164	....	164	.....
125	....	145	....	147	....	150	....	131	....	128	....	140	....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
3	....	3	....	5	....	5	....	7	....	7	....	9	.....
10	....	10	....	10	....	10	....	10	....	10	....	10	.....
5	....	58	....	57	....	49	....	41	....	42	....	47	.....
25	....	....	....	.....	....	.....	....	.....	....	.....	....	.....	.....
6	....	6	....	6	....	6	....	6	....	6	....	6	.....
.....	....	....	....	1	....	2	....	2	....	3	....	3	.....
130	....	130	....	130	....	130	....	130	....	130	....	130	.....
53	....	54	....	51	....	58	....	68	....	68	....	68	.....
.....	....	44	....	44	....	44	....	44	....	44	....	44	.....
.....	....	....	....	.....	....	70	....	70	....	70	....	.....	.....
33	....	33	....	33	....	33	....	33	....	33	....	33	.....
556	....	649	....	650	....	723	....	708	....	707	....	656	.....

TABLE VI17—COAL MINING—MORGAN COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7833	41	....	37	....	36	....	36	....	35	.....
12208	65	....	70	....	69	....	72	....	75	.....
Totals 2	106	....	107	....	105	....	108	....	110	.....

TABLE VI17—COAL MINING—MORGAN COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
37	....	37	....	39	....	42	....	45	....	47	....	38	.....
82	....	84	....	84	....	82	....	93	....	94	....	102	.....
119	....	121	....	123	....	124	....	138	....	141	....	140	.....

TABLE VI18—COAL MINING—MUSKINGUM COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7836	7	....	7	....	6	....	6	....	6	....
7837	12	....	12	....	10	....	....	....	....	....
7839	2	....	2	....	2	....	2	....	2	....
7841	2	....	2	....	2	....	2	....	1	....
7842	2	....	2	....	2	....	2	....	2	....
7843	4	....	4	....	3	....	2	....	2	....
7844	....	....	....	....	....	....	....	....	....	....
7845	10	....	10	....	10	....	10	....	10	....
7846	32	....	31	....	30	....	21	....	18	....
7848	70	....	42	....	45	....	50	....	50	....
7849	2	....	2	....	2	....	....	....	....	....
7850	5	....	....	....	....	....	....	....	....	....
7851	2	....	2	....	2	....	2	....	2	....
7852	2	....	2	....	2	....	2	....	2	....
7854	3	....	3	....	3	....	3	....	3	....
7855	3	....	3	....	3	....	3	....	3	....
7856	2	....	2	....	2	....	2	....	2	....
7857	2	....	2	....	2	....	2	....	2	....
7858	8	....	8	....	8	....	8	....	8	....
7859	5	....	5	....	5	....	5	....	5	....
7861	2	....	2	....	2	....	2	....	2	....
7863	2	....	2	....	2	....	2	....	....	....
7864	4	....	4	....	4	....	4	....	4	....
7865	5	....	4	....	4	....	3	....	2	....
7866	5	....	5	....	5	....	5	....	5	....
7867	31	....	27	....	32	....	26	....	22	....
7868	7	....	7	....	7	....	7	....	7	....
7869	2	....	2	....	2	....	....	....	....	....
7870	5	....	5	....	5	....	5	....	5	....
7871	2	....	2	....	2	....	2	....	2	....
7873	3	....	3	....	2	....	1	....	1	....
7874	3	....	2	....	2	....	2	....	2	....
7876	2	....	2	....	2	....	2	....	4	....
7877	5	....	5	....	5	....	2	....	2	....
7878*	132	....	162	....	162	....	162	....	162	....
7879	41	....	39	....	33	....	22	....	25	....
7881	6	....	6	....	6	....	6	....	6	....
8153	30	....	30	....	30	....	30	....	30	....
12210	40	....	40	....	40	....	40	....	40	....
Totals..... 41	502	....	490	....	486	....	445	....	439	....

*3 mines.

TABLE VI18—COAL MINING—MUSKINGUM COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
6	....	6	....	6	....	7	....	7	....	7	....	7	....
....	....	....	....	2	....	4	....	6	....	10	....	8	....
2	....	2	....	2	....	2	....	2	....	2	....	2	....
1	....	4	....	4	....	4	....	4	....	2	....	1	....
2	....	2	....	2	....	2	....	2	....	2	....	2	....
2	....	2	....	3	....	4	....	4	....	4	....	4	....
....	....	....	....	....	....	....	....	2	....	3	....	4	....
10	....	10	....	....	....	....	....	....	....	....	....	....	....
12	....	10	....	10	....	9	....	13	....	12	....	9	....
48	....	40	....	30	....	30	....	40	....	35	....	30	....
....	....	....	....	....	....	2	....	2	....	2	....	2	....
....	....	....	....	....	....	....	....	5	....	5	....	5	....
2	....	2	....	2	....	2	....	2	....	2	....	2	....
2	....	2	....	2	....	2	....	2	....	2	....	2	....
3	....	3	....	3	....	3	....	3	....	3	....	3	....
3	....	3	....	3	....	3	....	3	....	3	....	3	....
2	....	2	....	2	....	2	....	2	....	2	....	2	....
2	....	2	....	2	....	2	....	2	....	2	....	2	....
8	....	8	....	8	....	8	....	8	....	8	....	8	....
5	....	5	....	5	....	5	....	5	....	5	....	5	....
2	....	2	....	2	....	2	....	2	....	2	....	2	....
....	....	....	....	....	....	....	....	....	....	2	....	2	....
4	....	4	....	4	....	4	....	4	....	4	....	4	....
1	....	1	....	2	....	4	....	4	....	4	....	4	....
5	....	5	....	5	....	5	....	5	....	5	....	5	....
22	....	21	....	24	....	30	....	29	....	31	....	28	....
7	....	7	....	7	....	7	....	7	....	7	....	7	....
....	....	....	....	....	....	....	....	2	....	2	....	2	....
5	....	5	....	5	....	5	....	5	....	5	....	5	....
2	....	2	....	2	....	2	....	2	....	2	....	2	....
....	....	....	....	1	....	2	....	3	....	3	....	3	....
2	....	2	....	2	....	3	....	3	....	3	....	4	....
4	....	4	....	4	....	4	....	4	....	4	....	4	....
2	....	4	....	5	....	10	....	10	....	10	....	6	....
162	....	160	....	165	....	165	....	170	....	170	....	170	....
27	....	42	....	36	....	33	....	33	....	37	....	39	....
6	....	6	....	6	....	6	....	6	....	6	....	6	....
30	....	30	....	30	....	30	....	30	....	30	....	30	....
40	....	40	....	40	....	40	....	40	....	40	....	40	....
431	....	438	....	426	....	443	....	473	....	478	....	464	....

TABLE VI19—COAL MINING—NOBLE COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7885	2	....	2	....	....	....	....	....	....	....
7887	1	....	1	....	....	....	....	....	1	....
7888	....	....	....	....	1	....	....	....	....	....
7889	1	....	1	....	1	....	1	....	1	....
7890	....	....	....	....	....	....	....	....	....	....
7891	1	....	1	....	....	....	....	....	1	....
7894	3	....	3	....	3	....	3	....	3	....
7896	2	....	2	....	2	....	2	....	2	....
7897	1	....	1	....	....	....	....	....	....	....
7899	....	....	....	....	....	....	....	....	....	....
7900	3	....	3	....	3	....	....	....	....	....
7901	1	....	1	....	....	....	....	....	....	....
7902	....	....	....	....	....	....	....	....	....	....
7903	12	....	12	....	10	....	8	....	6	....
Totals..... 14	27	....	27	....	20	....	14	....	14	....

TABLE VI19—COAL MINING—NOBLE COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
.....	....	....	....	.....	....	.....	....	2	....	2	....	2	....
1	....	1	....	1	....	1	....	1	....	.....	....	.....	.....
.....	....	....	....	.....	....	1	....	1	....	1	....	1	.....
1	....	1	....	1	....	1	....	1	....	1	....	1	.....
.....	....	....	....	.....	....	1	....	1	....	1	....	1	.....
1	....	1	....	3	....	3	....	3	....	3	....	3	.....
3	....	3	....	3	....	3	....	3	....	3	....	3	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
.....	....	....	....	.....	....	1	....	1	....	1	....	1	.....
.....	....	....	....	.....	....	1	....	1	....	1	....	1	.....
.....	....	....	....	3	....	3	....	3	....	3	....	3	.....
1	....	1	....	2	....	4	....	2	....	2	....	1	.....
.....	....	....	....	.....	....	.....	....	2	....	2	....	2	.....
6	....	4	....	4	....	6	....	10	....	.....	....	.....	.....
15	....	13	....	19	....	27	....	33	....	22	....	21	.....

TABLE VI20—COAL MINING—PERRY COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7543	....	....	....	....	....	....	59	....	73	.....
7913	198	....	200	....	210	....	212	....	200	.....
7913½	158	....	158	....	158	....	159	....	159	.....
7914*	981	....	981	....	981	....	981	....	981	.....
7915	24	....	24	....	20	....	18	....	14	.....
7916	92	....	95	....	94	....	97	....	97	.....
7917	120	....	120	....	121	....	121	....	121	.....
7918†	276	....	276	....	264	....	265	....	249	.....
7920	1	....	1	....	1	....	1	....	1	.....
7921	2	....	2	....	2	....	....	....	....	.....
7922	....	....	....	....	1	....	1	....	1	.....
7923	1	....	1	....	1	....	....	....	....	.....
7924	2	....	2	....	2	....	2	....	2	.....
7925	2	....	2	....	2	....	....	....	....	.....
7926	24	....	24	....	24	....	24	....	24	.....
7927½	127	....	133	....	137	....	127	....	137	.....
7928	6	....	6	....	6	....	6	....	6	.....
7930	6	....	6	....	6	....	6	....	6	.....
7932	244	....	247	....	234	....	243	....	250	.....
7933	481	....	481	....	481	....	481	....	481	.....
7935‡	178	....	180	....	185	....	194	....	197	.....
7936	2	....	2	....	2	....	2	....	2	.....
7937	40	....	39	....	39	....	28	....	29	.....
7938	153	....	153	....	157	....	170	....	151	.....
7939½	96	....	96	....	96	....	96	....	97	.....
7940	146	....	145	....	144	....	145	....	146	.....
7940½	88	....	88	....	90	....	90	....	90	.....
7941	96	....	96	....	90	....	85	....	80	.....
7941½	95	....	94	....	90	....	96	....	98	.....
7942	30	....	36	....	32	....	8	....	15	.....
7942½	100	....	100	....	108	....	108	....	109	.....
7943	91	....	91	....	91	....	71	....	61	.....
7943½	194	....	194	....	173	....	216	....	237	.....
7944	136	....	132	....	124	....	116	....	110	.....
7946	24	....	24	....	24	....	24	....	20	.....
7948	7	....	7	....	7	....	7	....	7	.....
12216	84	....	79	....	66	....	43	....	30	.....
12217	30	....	36	....	32	....	8	....	15	.....
12218	25	....	25	....	25	....	25	....	25	.....
12219	46	....	46	....	46	....	46	....	46	.....
12220‡	17	....	17	....	38	....	43	....	95	.....
12221	82	....	74	....	70	....	70	....	79	.....
Totals..... 49	4,505	....	4,513	....	4,474	....	4,494	....	4, 41	.....

*3 mines.
†4 mines.
‡2 mines.

TABLE VI20—COAL MINING—PERRY COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
79	....	87	....	89	....	86	....	89	....	76	....	88	.....
220	....	221	....	218	....	219	....	210	....	212	....	212	.....
159	....	159	....	159	....	159	....	159	....	160	....	161	.....
981	....	981	....	981	....	981	....	981	....	981	....	981	.....
15	....	16	....	13	....	18	....	16	....	25	....	22	.....
99	....	102	....	100	....	103	....	105	....	104	....	100	.....
122	....	122	....	122	....	125	....	126	....	121	....	122	.....
255	....	260	....	280	....	275	....	290	....	302	....	274	.....
1	....	1	....	1	....	1	....	1	....	1	....	1	.....
.....	....	....	....	2	....	2	....	2	....	2	....	2	.....
.....	....	....	....	.....	....	.....	....	.....	....	1	....	1	.....
.....	....	....	....	.....	....	.....	....	1	....	1	....	1	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
.....	....	....	....	.....	....	.....	....	.....	....	2	....	2	.....
24	....	24	....	24	....	24	....	24	....	24	....	24	.....
133	....	137	....	133	....	133	....	128	....	140	....	140	.....
6	....	6	....	6	....	6	....	6	....	6	....	6	.....
6	....	6	....	6	....	6	....	6	....	6	....	6	.....
269	....	263	....	261	....	260	....	270	....	284	....	256	.....
481	....	481	....	481	....	481	....	481	....	481	....	481	.....
198	....	192	....	.....	....	.....	....	.....	....	.....	....	.....	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
29	....	25	....	28	....	27	....	28	....	28	....	29	.....
156	....	177	....	162	....	188	....	167	....	186	....	174	.....
97	....	97	....	97	....	98	....	98	....	98	....	99	.....
150	....	152	....	148	....	147	....	147	....	146	....	149	.....
91	....	91	....	91	....	91	....	91	....	91	....	91	.....
75	....	60	....	65	....	75	....	75	....	80	....	90	.....
97	....	105	....	106	....	105	....	110	....	110	....	108	.....
25	....	28	....	30	....	30	....	28	....	27	....	30	.....
112	....	110	....	110	....	110	....	110	....	112	....	112	.....
61	....	61	....	70	....	75	....	80	....	90	....	92	.....
242	....	233	....	237	....	248	....	281	....	287	....	302	.....
105	....	87	....	75	....	67	....	67	....	65	....	58	.....
20	....	20	....	20	....	20	....	23	....	23	....	25	.....
7	....	7	....	7	....	7	....	7	....	7	....	7	.....
33	....	44	....	62	....	67	....	69	....	74	....	79	.....
25	....	28	....	30	....	30	....	28	....	27	....	30	.....
22	....	23	....	26	....	26	....	28	....	27	....	26	.....
46	....	46	....	46	....	46	....	46	....	46	....	46	.....
110	....	119	....	130	....	110	....	205	....	240	....	315	.....
87	....	96	....	103	....	100	....	120	....	94	....	90	.....
4,642	....	4,671	....	4,523	....	4,550	....	4,707	....	4,791	....	4,836	.....

TABLE VI21—COAL MINING—PORTAGE COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7953*	172	....	168	....	168	....	165	....	160	.....
Totals..... 2										

*2 mines.

TABLE VI21—COAL MINING—PORTAGE COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
160	....	160	....	168	....	170	....	172	....	172	....	172	.....

TABLE VI22—COAL MINING—SCIOTO COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7956*	37	....	33	....	30	....	21	....	21	....
7954	2	....	2	....	....	....	....	....	....	....
Totals..... 3	39	....	35	....	30	....	21	....	21	....

*2 mines.

TABLE VI22—COAL MINING—SCIOTO COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
26	....	36	....	45	....	36	....	35	....	36	....	36	.....
.....	....	....	....	.....	....	.....	....	2	....	2	....	2	.....
26	....	36	....	45	....	36	....	37	....	38	....	38	.....

TABLE VI23—COAL MINING—STARK COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7692	60	....	60	....	60	....	60	....	60	.....
7964*	35	....	40	....	40	....	38	....	39	.....
7965	157	....	165	....	160	....	142	....	137	.....
7967	5	....	5	....	3	....	3	....	1	.....
7968	15	....	15	....	15	....	10	....	5	.....
7969	5	....	5	....	4	....	2	....	3	.....
7970	2	....	2	....	2	....	2	....	2	.....
7971	10	....	10	....	10	....	5	....	5	.....
7972	2	....	2	....	2	....	2	....	2	.....
7973	8	....	8	....	8	....	8	....	8	.....
7975	5	....	5	....	5	....	5	....	5	.....
7976	6	....	6	....	6	....	6	....	4	.....
7978	3	....	3	....	2	....	1	....	....	.....
7979	1	....	1	....	....	....	....	....	....	.....
7980	3	....	3	....	3	....	....	....	....	.....
7981	2	....	2	....	2	....	2	....	....	.....
7982	60	....	59	....	59	....	46	....	45	.....
7983†	1,300	....	1,300	....	1,300	....	1,100	....	1,100	.....
7984	49	....	52	....	51	....	54	....	58	.....
7986	31	....	37	....	36	....	41	....	47	.....
7937	6	....	5	....	4	....	4	....	7	.....
7988	7	....	7	....	5	....	3	....	3	.....
7989	1	....	1	....	1	....	1	....	1	.....
7990	1	....	1	....	....	....	....	....	....	.....
7991	3	....	3	....	3	....	....	....	....	.....
7992	2	....	2	....	....	....	....	....	....	.....
7993	120	....	118	....	115	....	90	....	63	.....
7994	26	....	24	....	20	....	15	....	19	.....
7995	51	....	45	....	39	....	31	....	32	.....
7996	60	....	51	....	51	....	32	....	33	.....
7996½	27	....	24	....	23	....	27	....	23	.....
12226	16	....	16	....	16	....	16	....	16	.....
12227	15	....	15	....	12	....	12	....	12	.....
12228	15	....	15	....	11	....	10	....	9	.....
12236	10	....	8	....	8	....	3	....	1	.....
12238	12	....	11	....	12	....	12	....	12	.....
Totals..... 50	2,131	....	2,126	....	2,088	....	1,783	....	1,752	.....

*2 mines.
†14 mines.

TABLE VI23—COAL MINING—STARK COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
60	....	60	....	60	....	60	....	60	....	60	....	60	.....
40	....	35	....	30	....	28	....	30	....	31	....	.....	.....
111	....	120	....	139	....	139	....	139	....	128	....	130	.....
1	....	1	....	2	....	5	....	5	....	5	....	5	.....
5	....	5	....	5	....	5	....	10	....	10	....	15	.....
3	....	3	....	4	....	5	....	6	....	6	....	6	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
5	....	5	....	6	....	8	....	9	....	11	....	11	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
8	....	8	....	8	....	8	....	8	....	8	....	8	.....
5	....	5	....	5	....	5	....	5	....	5	....	5	.....
.....	....	....	....	2	....	4	....	2	....	2	....	2	.....
.....	....	....	....	1	....	2	....	3	....	3	....	3	.....
.....	....	....	....	.....	....	.....	....	.....	....	1	....	1	.....
.....	....	....	....	.....	....	3	....	3	....	3	....	3	.....
.....	....	....	....	1	....	1	....	3	....	4	....	4	.....
43	....	40	....	31	....	29	....	.....	....	.....	....	.....	.....
1,100	....	1,100	....	1,300	....	1,300	....	1,300	....	1,300	....	1,300	.....
52	....	52	....	52	....	69	....	66	....	65	....	85	.....
49	....	11	....	45	....	39	....	37	....	43	....	51	.....
5	....	3	....	5	....	6	....	5	....	5	....	5	.....
2	....	2	....	3	....	3	....	5	....	5	....	5	.....
1	....	1	....	1	....	1	....	1	....	1	....	1	.....
.....	....	....	....	.....	....	.....	....	.....	....	.....	....	1	.....
.....	....	....	....	.....	....	3	....	3	....	3	....	3	.....
.....	....	....	....	.....	....	2	....	2	....	2	....	2	.....
55	....	51	....	48	....	65	....	63	....	71	....	38	.....
17	....	23	....	51	....	52	....	54	....	58	....	28	.....
26	....	33	....	40	....	30	....	33	....	30	....	35	.....
42	....	31	....	30	....	30	....	37	....	30	....	37	.....
24	....	28	....	35	....	44	....	30	....	61	....	57	.....
16	....	16	....	16	....	16	....	16	....	16	....	16	.....
10	....	10	....	10	....	10	....	12	....	14	....	14	.....
7	....	7	....	7	....	8	....	9	....	13	....	14	.....
1	....	4	....	6	....	10	....	10	....	10	....	10	.....
10	....	12	....	12	....	.....	....	.....	....	.....	....	.....	.....
1,702	....	1,670	....	1,959	....	1,994	....	1,970	....	2,008	....	1,959	.....

TABLE VI24—COAL MINING—SUMMIT COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
7997	7	....	7	....	7	....	5	....	....	.....
7998	8	....	8	....	8	....	3	....	....	.....
7999	23	....	21	....	16	....	14	....	11	.....
8000	5	....	5	....	....	....	....	....	....	.....
8002	7	....	7	....	7	....	7	....	7	.....
Totals..... 5	50	....	48	....	38	....	29	....	18	.....

TABLE VI24—COAL MINING—SUMMIT COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
.....	....	....	....	.....	....	.....	....	6	....	7	....	7	.....
.....	....	....	....	.....	....	.....	....	5	....	6	....	5	.....
14	....	12	....	13	....	24	....	19	....	17	....	20	.....
.....	....	....	....	5	....	5	....	5	....	5	....	5	.....
7	....	7	....	7	....	7	....	7	....	7	....	7	.....
21	....	19	....	25	....	36	....	42	....	42	....	44	.....

TABLE VI25—COAL MINING—TRUMBULL COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8009	26	....	26	....	25	....	20	....	16	.....
8010	....	....	....	....	....	....	....	....	....	.....
8011	4	....	4	....	4	....	4	....	4	.....
Totals..... 3	30	....	30	....	29	....	24	....	20	.....

TABLE VI25—COAL MINING—TRUMBULL COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
15	....	13	....	15	....	17	....	20	....	25	....	27	.....
.....	....	....	....	.....	....	.....	....	2	....	2	....	2	.....
4	....	4	....	4	....	4	....	4	....	4	....	4	.....
19	....	17	....	19	....	21	....	26	....	31	....	33	.....

TABLE VI26—COAL MINING—TUSCARAWAS COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8015	55	....	60	....	50	....	48	....	43	.....
8016*	303	....	276	....	240	....	204	....	215	.....
8017	....	....	....	....	....	....	10	....	6	.....
8018	140	....	141	....	125	....	125	....	128	.....
8019	20	....	20	....	16	....	14	....	12	.....
8020	....	....	....	....	....	....	15	....	15	....
8021	25	....	24	....	29	....	28	....	29	.....
8022	35	....	35	....	35	....	35	....	35	.....
8023	32	....	30	....	40	....	30	....	26	.....
8024	7	....	7	....	7	....	7	....	7	.....
8026	6	....	6	....	6	....	4	....	4	.....
8027	6	....	4	....	3	....	2	....	1	.....
8029	2	....	2	....	2	....	2	....	2	.....
8030	15	....	13	....	12	....	13	....	13	.....
8031†	181	....	176	....	175	....	176	....	184	.....
8034	3	....	3	....	7	....	8	....	9	.....
8035	....	....	....	....	10	....	20	....	25	.....
8036	7	....	7	....	7	....	7	....	....	.....
8037‡	385	....	385	....	385	....	385	....	385	.....
8038	119	....	119	....	119	....	119	....	119	.....
8039	6	....	6	....	6	....	6	....	6	.....
8040	3	....	3	....	3	....	3	....	3	.....
8041	2	....	2	....	2	....	....	....	....	.....
8042‡	49	....	46	....	47	....	36	....	28	.....
8044	....	....	....	....	....	....	....	....	....	.....
8046	2	....	2	....	2	....	2	....	2	.....
8047	2	....	2	....	2	....	....	....	....	.....
8049	13	....	21	....	16	....	23	....	20	.....
8051	....	....	....	....	....	....	....	....	....	.....
8090	111	....	128	....	155	....	183	....	175	.....
8124	63	....	63	....	63	....	63	....	63	.....
2244	82	....	81	....	80	....	79	....	81	.....
2245	80	....	80	....	80	....	80	....	80	.....
2247‡	46	....	48	....	59	....	40	....	41	.....
Totals..... 42	1,800	....	1,791	....	1,783	....	1,767	....	1,757	.....

*4 mines.
†3 mines.
‡2 mines.

TABLE VI26—COAL MINING—TUSCARAWAS COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
50	....	41	....	43	....	43	....	45	....	50	....	55	.....
209	....	213	....	191	....	185	....	187	....	165	....	173	.....
6	....	6	....	6	....	6	....	6	....	.....	....	.....	.....
134	....	132	....	136	....	137	....	132	....	130	....	132	.....
10	....	10	....	12	....	14	....	16	....	20	....	20	.....
17	....	17	....	15	....	12	....	11	....	.....	....	.....	.....
38	....	31	....	29	....	26	....	25	....	.....	....	.....	.....
35	....	35	....	35	....	35	....	35	....	35	....	35	.....
28	....	34	....	35	....	30	....	35	....	38	....	41	.....
7	....	7	....	7	....	7	....	7	....	7	....	8	.....
4	....	4	....	4	....	4	....	6	....	6	....	6	.....
1	....	1	....	1	....	1	....	3	....	3	....	4	.....
2	....	2	....	2	....	2	....	2	....	2	....	2	.....
13	....	12	....	13	....	17	....	17	....	15	....	20	.....
185	....	188	....	175	....	160	....	155	....	153	....	165	.....
9	....	11	....	11	....	12	....	11	....	.....	....	.....	.....
22	....	18	....	22	....	24	....	13	....	10	....	.....	.....
.....	....	.....	....	.....	....	.....	....	.....	....	7	....	7	.....
385	....	385	....	385	....	385	....	385	....	385	....	385	.....
119	....	119	....	119	....	119	....	119	....	119	....	119	.....
6	....	6	....	6	....	6	....	6	....	6	....	5	.....
3	....	3	....	3	....	3	....	3	....	3	....	3	.....
.....	....	.....	....	.....	....	.....	....	2	....	2	....	2	.....
27	....	27	....	20	....	34	....	34	....	44	....	54	.....
.....	....	.....	....	.....	....	.....	....	20	....	22	....	34	.....
2	....	2	....	2	....	2	....	.....	....	.....	....	.....	.....
.....	....	.....	....	.....	....	.....	....	2	....	2	....	2	.....
22	....	29	....	24	....	32	....	36	....	41	....	61	.....
.....	....	.....	....	.....	....	100	....	100	....	100	....	100	.....
173	....	173	....	200	....	202	....	208	....	211	....	211	.....
63	....	63	....	63	....	63	....	63	....	63	....	63	.....
84	....	76	....	78	....	79	....	83	....	82	....	80	.....
80	....	80	....	80	....	80	....	80	....	80	....	80	.....
49	....	52	....	49	....	54	....	68	....	83	....	70	.....
1,783	....	1,777	....	1,766	....	1,874	....	1,915	....	1,884	....	1,937	.....

TABLE VI27—COAL MINING—VINTON COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8053*	43	....	50	....	44	....	32	....	39	.....
8054	80	....	69	....	66	....	41	....	40	.....
8055	19	....	28	....	35	....	29	....	30	.....
8056	10	....	10	....	10	....	10	....	10	.....
8057	65	....	65	....	62	....	58	....	57	.....
8113	63	....	67	....	54	....	59	....	70	.....
8135	60	....	60	....	60	....	60	....	60	.....
12252	....	....	....	....	....	....	....	....	....	.....
Totals..... 9	340	....	349	....	331	....	289	....	306	.....

*2 mines.

TABLE VI27—COAL MINING—VINTON COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
33	....	45	....	44	....	37	....	34	....	47	....	37	.....
47	....	49	....	70	....	74	....	72	....	66	....	66	.....
29	....	30	....	30	....	26	....	24	....	27	....	28	.....
10	....	10	....	10	....	10	....	10	....	10	....	10	.....
48	....	48	....	50	....	50	....	60	....	62	....	66	.....
71	....	64	....	68	....	78	....	82	....	79	....	84	.....
60	....	60	....	60	....	60	....	60	....	60	....	60	.....
.....	....	....	....	11	....	19	....	22	....	20	....	18	.....
298	....	306	....	343	....	354	....	364	....	371	....	369	.....

TABLE VI28—COAL MINING—WASHINGTON COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8062	5	....	5	....	5	....	5	....	3	.....
Total..... 1										

TABLE VI28—COAL MINING—WASHINGTON COUNTY.

Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
2	....	2	....	2	....	3	....	5	....	5	....	5	.....

TABLE VI29—COAL MINING—WAYNE COUNTY.

Schedule Number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
8067	12	....	12	....	12	....	12	....	12	.....
8070	85	....	85	....	85	....	85	....	85	.....
8071	84	....	84	....	84	....	84	....	84	.....
8072	67	....	67	....	67	....	....	....	....	.....
Totals 4	248	....	248	....	248	....	181	....	181	.....

TABLE VI29—COAL MINING—WAYNE COUNTY—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
12	....	12	....	12	....	12	....	12	....	12	....	12	.....
85	....	85	....	85	....	85	....	85	....	85	....	85	.....
10	....	10	....	10	....	10	....	60	....	84	....	84	.....
.....	....	....	....	67	....	67	....	67	....	67	....	67	....
107	....	107	....	174	....	174	....	224	....	248	....	248	.....

TABLE VII—COAL MINING.

Giving Totals and Averages for State, Occupations, Total Number Employed, Average Number Days Worked, Average Daily Wages, Average Yearly Earnings and Average Hours of Daily Labor for the Year 1903.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners	12,746	193	$2 60	$501 80	8
Machine cutters	1,769	190	3 81	723 90	8
Loaders	13,375	186	2 76	513 36	8
Track layers	629	196	2 49	488 04	8
Drivers	2,736	192	2 44	468 48	8
Timbermen	313	203	2 47	501 41	8
Pumpers	295	194	2 31	448 14	8
Cagers	282	176	2 14	376 64	8
Trappers	1,023	194	1 15	223 10	8
Other inside labor	1,487	204	2 28	465 12	8
Engineers	470	190	2 57	488 30	8.6
Firemen	264	191	2 23	425 93	8.2
Weighmen	312	191	2 25	429 75	8.1
Dumpers	401	183	2 12	387 96	8.2
Trimmers	705	192	2 19	420 48	8
Carpenters	170	195	2 61	508 95	8.1
Blacksmiths	413	192	2 59	497 28	8
Greasers	211	188	1 42	266 96	8
Hostlers	155	195	1 90	370 50	8.1
Other outside labor	915	185	2 05	379 25	8
Totals and averages	38,671	191	2 60	496 60	8

TABLE VIII—COAL MINING.

Giving Totals and Averages by Counties, Occupations, Total Number Employed, Average Number Days Worked, Average Daily Wages, Average Yearly Earnings and Average Hours of Daily Labor for the Year 1903.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
ATHENS COUNTY.					
Pick miners	371	167	$2 89	$482 63	8
Machine cutters	363	163	4 24	691 12	8
Loaders	3,323	167	2 85	475 95	8
Track layers	67	169	2 55	430 95	8
Drivers	352	171	2 52	430 92	8
Timbermen	34	173	2 54	439 42	8
Pumpers	40	160	2 34	374 40	8.2
Cagers	54	161	2 55	410 55	8
Trappers	162	170	1 12	190 40	8
Other inside labor	177	155	2 49	385 95	8
Engineers	59	160	2 74	438 40	9.1
Firemen	36	161	2 31	371 91	8.3
Weighmen	34	168	2 39	401 52	8
Dumpers	50	160	2 36	377 60	8
Trimmers	95	179	2 36	422 44	8
Carpenters	36	162	2 63	426 06	8
Blacksmiths	51	159	2 92	464 28	8
Greasers	32	175	1 62	283 50	8
Hostlers	22	153	1 93	295 29	8
Other outside labor	71	179	2 13	381 27	8
BELMONT COUNTY.					
Pick miners	1,614	187	2 79	531 73	8
Machine cutters	217	212	3 35	710 20	8
Loaders	986	201	2 61	524 61	8
Track layers	46	190	2 58	490 20	8
Drivers	274	192	2 65	508 80	8
Timbermen	30	186	2 67	496 62	8
Pumpers	11	204	2 62	534 48	8
Cagers	5	183	2 24	409 92	8
Trappers	83	196	1 77	346 92	8
Other inside labor	79	189	2 54	480 06	8
Engineers	38	196	2 77	542 92	9
Firemen	21	186	2 38	442 68	8.9
Weighmen	26	179	2 37	424 23	8.2
Dumpers	25	196	2 08	407 68	8
Trimmers	58	186	2 13	396 18	8
Carpenters	18	178	2 98	530 44	8
Blacksmiths	37	187	2 99	559 13	8
Greasers	16	192	1 58	303 36	8
Hostlers	17	183	1 98	362 34	9.7
Other outside labor	105	167	2 02	337 34	8
CARROLL COUNTY.					
Pick miners	48	163	3 07	500 41	8
Machine cutters	68	195	3 32	647 40	8
Loaders	378	193	2 71	523 03	8
Track layers	12	205	2 56	524 80	8
Drivers	47	192	2 52	483 84	8
Timbermen	10	197	2 56	504 32	8
Pumpers	10	213	2 25	479 25	8
Cagers	4	200	2 56	512 00	8
Trappers	20	172	1 14	196 28	8
Other inside labor	27	175	2 41	421 75	8
Engineers	12	200	2 51	502 00	8
Firemen	3	177	2 25	398 25	8
Weighmen	5	199	2 46	489 54	8
Dumpers	5	213	1 96	417 48	8

TABLE VIII—COAL MINING—Continued.

CARROLL COUNTY—Concluded.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Trimmers	17	199	$2 00	$398 00	8
Carpenters	2	232	2 32	538 24	8
Blacksmiths	9	196	2 67	523 32	8
Greasers	5	199	1 33	264 67	8
Hostlers	4	189	2 12	400 68	8
Other outside labor	8	190	2 01	381 90	8

COLUMBIANA COUNTY.

Pick miners	684	236	2 40	566 40	8
Machine cutters	34	220	2 85	627 00	8
Loaders	301	230	2 32	533 60	8
Track layers	38	234	2 45	573 30	8
Drivers	109	234	2 46	575 64	8
Timbermen	5	204	2 50	510 00	8
Pumpers	15	247	2 33	575 51	8
Cagers	10	241	2 36	568 76	8
Trappers	17	236	1 15	271 40	8
Other inside labor	23	251	2 36	592 36	8
Engineers	23	231	2 41	556 71	8
Firemen	8	243	2 02	490 86	8
Weighman	18	235	2 23	524 05	8.1
Dumpers	14	254	2 01	510 54	8
Trimmers	20	231	1 96	452 76	8
Carpenters	2	220	2 00	440 00	8
Blacksmiths	20	230	2 48	570 40	8
Greasers	11	230	1 56	358 80	8
Hostlers	6	239	1 49	356 11	8
Other outside labor	24	224	1 79	400 96	8

COSHOCTON COUNTY.

Pick miners	384	220	2 49	547 80	8
Machine cutters	8	150	3 20	480 00	8
Loaders	280	214	2 64	564 96	8
Track layers	20	214	2 54	543 56	8
Drivers	70	221	2 54	561 34	8
Timbermen	16	224	2 44	546 56	8
Pumpers	10	213	2 40	511 20	8
Trappers	11	213	1 52	323 76	8
Other inside labor	20	228	2 55	581 40	8
Engineers	8	206	2 72	560 32	8
Firemen	2	225	2 36	531 00	8
Weighmen	7	213	2 54	541 02	8
Dumpers	22	210	1 94	407 40	8
Trimmers	11	204	2 21	450 84	8
Carpenters	6	207	2 29	474 03	8
Blackmiths	9	216	2 58	557 28	8
Greasers	5	229	1 24	283 96	8
Hostlers	5	211	1 74	367 14	8
Other outside labor	17	225	1 99	447 75	8

GALLIA COUNTY.

Pick miners	36	250	1 64	410 00	8
Drivers	6	250	1 76	440 00	8
Other inside labor	2	250	1 76	440 00	8
Trimmer	1	250	1 60	400 00	8
Hostler	1	250	1 25	312 50	8
Other outside labor	2	250	1 32	330 00	8

TABLE VIII—COAL MINING—Continued.

GUERNSEY COUNTY.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners	144	183	$3 02	$552 66	8
Machine cutters	205	213	3 50	745 50	8
Loaders	1,544	211	2 90	611 90	8
Track layers	52	207	2 58	534 06	8
Drivers	246	208	2 56	532 48	8
Timbermen	61	213	2 55	543 15	8
Pumpers	32	211	2 41	508 51	8
Cagers	38	204	2 55	520 20	8
Trappers	87	217	1 13	245 21	8
Other inside labor	140	214	2 36	505 04	8
Engineers	39	207	2 63	544 41	8
Firemen	37	212	2 39	506 68	8
Weighmen	18	200	2 50	500 00	8
Dumpers	16	204	2 36	481 44	8
Trimmers	46	204	2 41	491 64	8
Carpenters	14	216	2 60	561 60	8
Blacksmiths	28	206	2 83	582 98	8
Greasers	9	220	1 64	360 80	8
Hostlers	14	210	2 03	426 30	8
Other outside labor	68	195	1 97	384 15	8

HARRISON COUNTY.

Pick miners	362	191	2 81	536 71	8
Machine cutters	4	206	2 90	597 40	8
Loaders	22	206	2 80	576 80	8
Track layers	12	190	2 47	469 30	8
Drivers	27	188	2 52	473 76	8
Timbermen	4	209	2 41	503 69	8
Pumpers	3	206	2 56	527 36	8
Cagers	1	220	1 68	369 60	8
Trappers	9	195	1 12	218 40	8
Other inside labor	21	192	2 41	462 72	8
Engineers	3	174	2 38	414 12	8
Firemen	1	206	1 92	393 52	8
Weighman	3	174	1 78	309 72	8
Dumpers	3	133	1 97	222 01	8
Trimmers	9	195	1 93	376 35	8
Carpenters	2	206	2 36	486 16	8
Blacksmiths	4	179	2 59	463 61	8
Hostlers	1	206	2 10	432 60	8
Other outside labor	13	216	1 90	410 40	8

HOCKING COUNTY.

Pick miners	137	178	2 88	512 64	8
Machine cutters	197	177	5 46	966 42	8
Loaders	1,880	178	2 87	510 86	8
Track layers	32	175	2 58	451 50	8
Drivers	167	177	2 56	453 12	8
Timbermen	13	151	2 56	386 56	8
Pumpers	16	173	2 52	435 96	8
Trappers	95	180	1 13	204 53	8
Other inside labor	120	189	2 55	481 95	8
Engineers	25	177	2 67	472 59	8
Firemen	16	181	2 34	423 54	8
Weighmen	14	175	2 26	395 50	8
Dumpers	20	164	2 37	388 68	8
Trimmers	76	177	2 36	417 72	8
Carpenters	12	175	2 72	476 00	8
Blacksmiths	17	169	3 07	518 83	8
Greasers	13	165	1 53	252 45	8
Hostlers	11	164	2 09	342 76	8
Other outside labor	59	178	2 35	418 30	8

TABLE VIII—COAL MINING—Continued.

HOLMES COUNTY.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners	52	248	$1 98	$491 04	7.3
Track layers	2	186	2 28	424 08	8
Drivers	5	242	1 92	464 64	7.2
Other inside labor	3	245	1 42	347 90	8
Engineer	1	237	2 00	474 00	8
Weighmen	2	268	1 63	436 84	9
Dumper	1	237	1 75	414 75	8
Trimmer	1	237	1 75	414 75	8
Blacksmith	1	237	2 00	474 00	8
Other outside labor	2	300	1 50	450 00	8

JACKSON COUNTY.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners	1,860	239	2 55	609 45	7.8
Machine cutters	114	258	2 99	771 42	8
Loaders	235	219	2 43	532 17	8
Track layers	62	237	2 31	547 47	8
Drivers	409	255	2 04	520 20	8
Timbermen	34	275	2 10	577 50	8
Pumpers	27	253	2 02	511 06	8
Cagers	51	261	2 13	555 93	8
Trappers	152	264	1 00	264 00	8
Other inside labor	276	258	2 08	536 64	8
Engineers	39	244	2 49	607 56	8
Firemen	33	260	2 07	538 20	8
Weighmen	39	226	2 04	461 04	8
Dumpers	33	237	2 04	483 48	8
Trimmers	75	243	2 04	495 72	8
Carpenters	8	246	2 18	536 28	8
Blacksmiths	47	239	2 53	604 67	8
Greasers	36	251	1 28	321 28	8
Hostlers	17	249	1 72	428 28	8
Other outside labor	80	523	2 01	508 53	8

JEFFERSON COUNTY.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners	1,484	207	$2 29	$474 03	8
Machine cutters	190	194	3 07	595 58	8
Loaders	1,386	199	2 18	433 82	8
Track layers	59	190	2 44	463 60	8
Drivers	212	190	2 48	471 20	8
Timbermen	34	181	2 43	439 83	8
Pumpers	17	209	2 24	468 16	8
Cagers	8	192	2 26	433 92	8.2
Trappers	108	205	1 06	217 30	8
Other inside labor	183	190	2 22	421 80	8.2
Engineers	27	204	2 70	550 80	8.4
Firemen	16	176	2 08	366 08	8
Weighmen	20	203	2 30	466 90	8.5
Dumpers	40	169	1 94	327 86	8.5
Trimmers	48	197	1 95	384 15	8
Carpenters	22	229	2 37	542 73	8.3
Blacksmiths	37	204	2 45	499 80	8.1
Greasers	17	210	1 29	270 90	8
Hostlers	13	190	2 12	402 80	8.1
Other outside labor	227	145	2 04	295 81	8.1

LAWRENCE COUNTY.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners	214	241	2 18	525 38	8
Machine cutters	8	275	2 75	756 25	8
Loaders	40	275	2 91	800 25	8
Track layers	4	239	2 53	604 67	8
Drivers	22	252	1 99	501 48	8
Timbermen	2	275	2 00	550 00	8
Pumper	1	275	1 85	508 75	8

TABLE VIII—COAL MINING—Continued.

.. LAWRENCE COUNTY—Concluded.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Trappers	6	251	$0 91	$228 41	8
Other inside labor	30	260	1 99	517 40	8
Engineer	1	275	2 30	632 50	8
Fireman	1	275	2 00	550 00	8
Weighmen	5	243	2 03	493 29	8
Dumpers	2	204	1 91	389 64	8
Trimmers	5	246	1 92	472 32	8
Carpenters	2	275	2 00	550 00	10
Blacksmiths	4	253	2 22	561 66	8
Hostlers	2	239	1 33	317 87	6
Other outside labor	36	271	1 92	520 32	8
MAHONING COUNTY.					
Pick miners	138	250	2 72	680 00	8
Track layers	6	261	2 56	668 16	8
Drivers	15	258	2 52	650 16	8
Pumper	1	273	2 00	546 00	8
Cager	1	273	2 36	644 28	8
Other inside labor	2	300	2 36	708 00	8
Engineers	4	248	2 56	634 88	8
Weighman	1	240	2 56	614 40	8
Dumper	1	240	1 91	458 40	8
Trimmer	1	240	1 91	458 40	8
Blacksmiths	2	256	2 56	655 36	8
Other outside labor	7	273	1 93	526 89	8
MEDINA COUNTY.					
Pick miners	484	234	2 31	540 54	8
Track layers	8	207	2 56	529 92	8
Drivers	23	218	2 55	555 90	8
Timbermen	2	190	2 56	486 40	8
Pumpers	2	190	2 00	380 00	8
Cagers	3	190	2 56	486 40	8
Trappers	6	213	1 04	221 52	8
Other inside labor	1	272	2 56	696 32	8
Engineers	12	218	2 45	534 10	8
Firemen	2	190	2 00	380 00	8
Weighmen	5	206	2 00	412 00	8
Dumpers	6	219	1 91	418 29	8
Trimmers	3	213	2 00	426 00	8
Blacksmiths	4	207	2 37	490 59	8
Greasers	2	190	1 25	237 50	8
Other outside labor	2	190	2 50	475 00	8
MEIGS COUNTY.					
Pick miners	462	205	2 23	457 15	8.5
Loaders	5	190	1 87	355 30	8.5
Track layers	12	188	2 01	377 88	8.3
Drivers	70	198	1 78	352 44	8.4
Pumpers	5	184	1 82	334 88	8.2
Trappers	10	216	76	164 16	8.4
Other inside labor	29	252	1 50	328 00	8.5
Engineers	4	216	2 02	436 32	9.7
Firemen	1	300	1 50	450 00	9
Weighmen	5	204	1 68	342 72	8.9
Dumpers	17	189	1 56	294 84	8.4
Trimmers	5	184	1 49	274 13	9
Carpenters	6	217	2 08	451 36	8.8
Blacksmiths	9	187	2 01	375 87	8.7
Greasers	3	208	93	193 44	8.8
Hostlers	4	238	1 22	290 36	9.5
Other outside labor	39	196	1 45	284 20	8.5

TABLE VIII—COAL MINING—Continued.

MORGAN COUNTY.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Pick miners	27	162	$3 50	$567 00	8
Machine cutters	11	166	3 70	614 20	8
Loaders	44	166	3 70	614 20	8
Track layers	3	164	2 62	429 68	8
Drivers	10	164	2 56	419 84	8
Trappers	4	166	1 13	187 58	8
Other inside labor	6	165	2 36	389 40	8
Engineers	2	166	3 40	564 40	8
Fireman	1	166	2 36	391 76	8
Weighmen	2	164	2 58	423 12	8
Dumpers	1	162	2 56	414 72	8
Trimmers	3	164	2 52	413 28	8
Blacksmiths	2	164	2 78	455 92	8
Other outside labor	4	166	2 36	391 76	8

MUSKINGUM COUNTY.

Pick miners	387	186	2 54	467 36	8.5
Track layers	5	148	2 51	371 48	8
Drivers	45	173	2 37	410 01	8
Trappers	9	165	1 13	186 45	8
Other inside labor	19	202	2 22	448 44	8
Weighmen	8	191	2 29	437 39	8
Dumpers	9	166	2 15	356 90	8
Trimmers	9	171	2 36	403 56	8
Blacksmiths	5	165	2 65	437 25	8
Hostler	1	130	2 00	260 00	8

NOBLE COUNTY.

Pick miners	33	166	1 78	295 48	8

PERRY COUNTY.

Pick miners	605	159	3 31	526 29	8
Machine cutters	298	167	3 98	664 66	8
Loaders	2,655	172	2 92	502 24	8
Track layers	76	164	2 55	418 20	8
Drivers	299	152	2 53	384 56	8
Timbermen	47	192	2 49	478 08	8
Pumpers	46	161	2 24	360 64	8
Cagers	71	90	1 40	126 00	8
Trappers	130	146	1 15	167 90	8
Other inside labor	173	184	2 38	437 92	8
Engineers	57	160	2 64	422 40	8.7
Firemen	45	154	2 35	361 90	8.4
Weighmen	36	155	2 36	365 80	8
Dumpers	58	136	2 37	324 32	8
Trimmers	101	158	2 44	385 52	8
Carpenters	34	192	2 60	499 20	8
Blacksmiths	59	167	2 86	477 62	8
Greasers	33	102	1 52	155 04	8
Hostlers	25	200	1 94	388 00	8
Other outside labor	119	180	2 26	406 80	8

PORTAGE COUNTY.

Pick miners	120	185	2 00	370 00	8
Track layer	10	185	2 50	462 50	8
Drivers	10	185	2 56	473 60	8
Cagers	3	185	1 75	323 75	8
Trappers	2	185	1 50	277 50	8
Other inside labor	3	185	1 50	277 50	8
Engineers	5	185	2 55	471 75	8
Firemen	2	185	2 40	444 00	8
Weighmen	2	185	2 50	462 50	8

TABLE VIII—COAL MINING—Continued.

PORTAGE COUNTY—Concluded.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Dumpers	3	185	$2 40	$444 00	8
Trimmers	2	185	2 40	444 00	8
Carpenters	2	185	2 70	499 50	8
Blacksmiths	3	185	2 90	536 50	8
Other outside labor	5	185	1 75	323 75	8
SCIOTO COUNTY.					
Pick miners	18	178	2 39	425 42	8
Track layer	1	178	2 31	411 18	8
Drivers	3	178	2 06	368 68	8
Other inside labor	6	178	2 06	368 68	8
Weighman	1	178	2 06	368 68	8
Dumpers	2	178	2 06	368 68	8
Trimmer	1	178	2 06	368 68	8
Blacksmith	1	178	2 06	368 68	8
Other outside labor	2	178	2 06	368 68	8
STARK COUNTY.					
Pick miners	1,312	171	2 95	504 45	8
Machine cutters	19	154	3 16	486 64	8
Loaders	118	180	3 03	545 40	8
Track layers	39	185	2 56	473 60	8
Drivers	114	195	2 53	493 35	8
Timberman	1	363	2 36	856 68	8
Pumpers	38	190	2 36	448 40	8
Cagers	21	173	2 42	418 66	8
Trappers	53	185	1 13	209 05	8
Other inside labor	58	204	2 28	465 12	8
Engineers	68	175	2 38	416 50	8
Firemen	21	178	2 00	356 00	8
Weighmen	27	186	2 04	379 44	8.1
Dumpers	30	184	2 01	369 84	8
Trimmers	54	190	1 90	361 00	8
Carpenters	3	173	2 33	403 09	8
Blacksmiths	24	177	2 80	495 60	8
Greasers	11	183	1 98	362 34	8
Hostlers	2	140	1 15	161 00	8
Other outside labor	8	193	1 91	368 63	8
SUMMIT COUNTY.					
Pick miners	31	175	2 08	364 00	8
Track layers	2	202	2 18	440 36	8
Drivers	5	180	2 32	417 60	8
Engineers	2	169	2 28	385 32	8
Weighman	1	204	2 56	522 24	8
TRUMBULL COUNTY.					
Pick miners	24	215	2 35	505 25	8
Track layer	1	233	2 50	582 50	8
Driver	1	233	2 56	596 48	8
Engineer	1	233	2 25	524 25	8
Weighman	1	233	2 00	466 00	8
TUSCARAWAS COUNTY.					
Pick miners	1,334	121	2 40	290 40	8
Machine cutters	15	217	3 15	683 55	8
Loaders	98	198	2 99	592 02	8
Track layers	49	205	2 30	489 95	8
Drivers	153	199	2 51	499 49	8
Timbermen	20	177	2 50	442 50	8
Pumpers	16	176	2 32	408 32	8
Cagers	8	237	2 56	606 72	8

TABLE VIII—COAL MINING—Concluded.

TUSCARAWAS COUNTY—Concluded.

Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
Trappers	41	183	$1 19	$217 77	8
Other inside labor	83	188	2 02	379 76	8
Engineers	25	177	2 43	430 11	8
Firemen	11	205	2 06	422 30	8.1
Weighmen	26	183	2 33	426 39	8
Dumpers	35	183	2 04	373 32	8
Trimmers	50	193	2 04	393 72	8
Carpenter	1	108	2 50	270 00	8
Blacksmiths	31	193	2 58	497 94	8
Greasers	18	179	1 28	229 12	8
Hostlers	8	187	2 24	418 88	8
Other outside labor	14	184	2 22	408 48	8
VINTON COUNTY.					
Pick miners	189	181	2 92	528 52	8
Machine cutters	18	202	2 50	505 00	8
Loaders	80	200	2 17	434 00	8
Track layers	7	204	2 27	463 08	8
Drivers	29	200	2 06	412 00	8
Cager	1	180	2 06	370 80	8
Trappers	12	191	1 00	191 00	8
Other outside labor	4	207	2 12	438 84	8
Engineers	8	202	2 37	478 74	8.2
Firemen	4	185	2 14	395 90	8
Weighmen	6	189	2 08	393 12	8
Dumpers	5	212	2 06	436 72	8
Trimmers	9	201	2 06	414 06	8
Carpenter	1	186	2 06	383 16	8
Blacksmiths	6	198	2 20	435 60	7.7
WASHINGTON COUNTY.					
Pick miners	5	234	1 50	351 00	8
Other inside labor	1	234	2 36	552 64	8
Other outside labor	1	234	1 50	351 00	9
WAYNE COUNTY.					
Pick miners	187	147	2 60	382 20	8
Track layers	4	144	2 56	368 64	8
Drivers	13	146	2 56	373 76	8
Pumpers	5	135	2 39	322 65	8
Cagers	3	142	2 49	353 58	8
Trappers	6	150	1 09	163 50	8
Other inside labor	1	100	2 36	236 00	8
Engineers	7	139	2 40	333 60	8
Firemen	3	142	2 00	284 00	8
Weighmen	2	125	2 25	281 25	8
Dumpers	3	144	2 08	295 36	8
Trimmers	5	175	1 98	346 50	8
Blacksmiths	3	142	2 54	360 68	8
Hostlers	2	125	1 56	195 00	8
Other outside labor	2	175	2 50	437 50	8

TABLE IX—COAL MINING.

GIVING OCCUPATIONS, NUMBER EMPLOYED, NUMBER DAYS WORKED, DAILY WAGES, YEARLY EARNINGS AND HOURS OF DAILY LABOR FOR THE YEAR 1903.

TABLE IX1—COAL MINING—ATHENS COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7500	Machine cutters	8	131	$4 01	$525 31	8
7500	Loaders	63	131	3 03	396 93	8
7500	Track layers	2	131	2 56	335 36	8
7500	Drivers	8	131	2 56	335 36	8
7500	Timbermen	2	131	2 56	335 36	8
7500	Pumpers	2	131	2 36	319 16	8
7500	Cagers	2	131	2 56	335 36	8
7500	Trappers	2	131	1 13	148 03	8
7500	Other inside labor	2	131	1 75	229 25	8
7500	Engineers	2	131	2 75	360 25	8
7500	Firemen	2	131	2 36	319 36	8
7500	Weighmen	1	131	2 00	262 00	8
7500	Dumpers	2	131	2 36	319 36	8
7500	Trimmers	3	131	2 47	323 57	8
7500	Carpenters	1	131	2 00	262 00	8
7500	Blacksmiths	1	131	2 50	327 50	8
7500	Hostler	1	131	1 00	131 00	8
7501*	Pick miners	10	235	2 50	587 50	8
7501	Machine cutters	12	235	3 00	705 00	8
7501	Loaders	110	235	2 50	587 50	8
7501	Track layers	4	235	2 81	660 35	8
7501	Drivers	20	235	2 56	601 60	8
7501	Timbermen	4	235	2 36	554 60	8
7501	Cagers	2	235	2 36	554 60	8
7501	Trappers	3	235	1 13	265 55	8
7501	Other inside labor	2	235	2 36	554 60	8
7501	Engineers	2	235	2 87	674 45	12
7501	Firemen	2	235	2 12	498 20	12
7501	Weighmen	2	235	2 36	554 60	8
7501	Dumpers	3	235	2 36	554 60	8
7501	Trimmers	5	235	2 36	554 60	8
7501	Carpenters	1	235	2 50	587 50	8
7501	Blacksmiths	2	235	2 81	660 35	8
7501	Greasers	2	235	1 60	376 00	8
7501	Other outside labor	8	235	1 77	415 95	8
7502	Machine cutters	22	186	4 90	911 40	8
7502	Loaders	218	186	2 50	465 00	8
7502	Track layers	4	186	2 56	476 16	8
7502	Drivers	20	186	2 56	476 16	8
7502	Timbermen	3	186	2 56	476 16	8
7502	Pumpers	2	186	2 00	372 00	8
7502	Cagers	3	186	2 56	476 16	8
7502	Trappers	7	186	1 13	210 18	8
7502	Other inside labor	7	186	2 36	438 96	8
7502	Engineers	3	186	2 22	412 92	8
7502	Firemen	3	186	2 36	438 96	8
7502	Weighman	1	186	2 16	401 76	8
7502	Dumper	1	186	2 56	476 16	8
7502	Trimmers	6	186	2 36	438 96	8
7502	Carpenters	6	186	2 36	438 96	8
7502	Blacksmiths	2	186	2 81	522 66	8
7502	Greaser	1	186	1 68	312 48	8
7502	Hostler	1	186	1 83	340 38	8
7502	Other outside labor	5	186	2 53	470 58	8
7502½	Machine cutters	24	227	4 74	1,072 98	8
7502½	Loaders	235	227	3 30	749 10	8
7502½	Track layers	3	227	2 75	624 25	8
7502½	Drivers	20	227	2 56	581 12	8
7502½	Timbermen	2	227	2 75	624 25	8
7502½	Pumpers	2	227	2 25	510 75	8
7502½	Cagers	2	227	2 36	535 72	8
7502½	Trappers	13	227	1 13	256 51	8
7502½	Other inside labor	7	227	2 52	572 04	8
7502½	Engineers	2	227	3 00	681 00	8
7502½	Firemen	2	227	2 36	535 72	8
7502½	Weighman	1	227	2 25	510 75	8

*2 mines.

TABLE IXI—COAL MINING—ATHENS COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7502½	Dumper	1	227	$2 36	$535 72	8
7502½	Trimmers	7	227	2 36	535 72	8
7502½	Carpenter	1	227	2 70	612 90	8
7502½	Blacksmiths	2	227	3 00	681 00	8
7502½	Greasers	2	227	1 90	431 30	8
7502½	Other outside labor	6	227	2 36	535 72	8
7503*	Pick miners	30	224	3 60	806 40	8
7503	Machine cutters	28	224	3 80	751 20	8
7503	Loaders	370	224	2 56	573 44	8
7503	Track layers	5	224	2 56	573 44	8
7503	Drivers	35	224	2 56	573 44	8
7503	Timbermen	4	224	2 56	573 44	8
7503	Pumpers	2	224	2 56	573 44	8
7503	Cagers	10	224	2 56	573 44	8
7503	Trappers	24	224	1 13	253 12	8
7503	Other inside labor	10	224	2 36	528 64	8
7503	Engineers	3	224	2 43	544 32	8
7503	Firemen	3	224	2 07	463 68	8
7503	Weighmen	2	224	2 05	459 20	8
7503	Dumpers	2	224	2 05	459 20	8
7503	Trimmers	10	224	2 36	528 64	8
7503	Carpenters	2	224	2 53	566 72	8
7503	Blacksmiths	3	224	2 57	575 68	8
7503	Greasers	4	224	1 41	315 84	8
7503	Hostlers	2	224	1 77	396 48	8
7503	Other outside labor	11	224	1 56	349 44	8
7504	Pick miners	15	122	3 00	366 00	8
7504	Drivers	2	122	2 56	312 32	8
7504	Weighman	1	122	1 67	203 74	8
7504	Trimmers	1	122	2 36	287 92	8
7505	Pick miners	10	150	1 25	187 50	8
7505	Driver	1	150	1 25	187 50	8
7505	Weighman	1	150	2 50	375 00	8
7506†	Pick miners	112	128	3 50	448 00	8
7506	Machine cutters	184	128	4 25	544 00	8
7506	Loaders	1,586	128	3 00	384 00	8
7506	Track layers	28	128	2 56	327 68	8
7506	Drivers	151	128	2 56	327 68	8
7506	Timbermen	14	128	2 56	327 68	8
7506	Pumpers	19	128	2 36	302 08	8
7506	Cagers	29	128	2 56	327 68	8
7506	Trappers	75	128	1 13	144 64	8
7506	Other inside labor	113	128	2 56	327 68	8
7506	Engineers	25	128	2 81	359 68	10
7506	Firemen	14	128	2 36	302 08	8
7506	Weighmen	12	128	2 75	352 00	8
7506	Dumpers	28	128	2 36	302 08	8
7506	Trimmers	28	128	2 36	302 08	8
7506	Carpenters	15	128	2 81	359 68	8
7506	Blacksmiths	27	128	3 00	384 00	8
7506	Greasers	12	128	1 41	180 48	8
7506	Hostlers	12	128	2 00	256 00	8
7506	Other outside labor	24	128	2 36	302 08	8
7508	Pick miner	1	104	2 00	208 00	8
7509	Pick miners	3	250	2 25	562 50	8
7513	Machine cutters	12	187	3 00	561 00	8
7513	Loaders	115	187	2 45	458 15	8
7513	Track layers	2	187	2 36	441 32	8
7513	Drivers	8	187	2 56	478 72	8
7513	Pumpers	2	187	2 36	441 32	8
7513	Cagers	3	187	2 56	478 72	8
7513	Trappers	5	187	1 13	211 31	8
7513	Other inside labor	4	187	2 56	478 72	8
7513	Engineers	2	187	2 64	493 68	8
7513	Firemen	2	187	2 36	441 32	8
7513	Weighman	1	187	2 40	448 80	8

*2 mines.
†12 mines

TABLE IX1—COAL MINING—ATHENS COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7513	Dumper	1	187	$2 36	$441 32	8
9513	Trimmers	6	187	2 36	441 32	8
7513	Carpenter	1	187	2 53	473 11	8
7513	Blacksmiths	2	187	2 81	525 47	8
7513	Other outside labor	2	187	2 36	441 32	8
7515	Machine cutters	12	209	6 80	1,421 20	8
7515	Loaders	130	209	2 50	522 50	8
7515	Track layers	3	209	2 56	535 04	8
7515	Drivers	22	209	2 56	535 04	8
7515	Pumper	1	209	2 02	422 18	8
7515	Trappers	9	209	1 13	236 17	8
7515	Other inside labor	18	209	2 36	493 24	8
7515	Engineers	3	209	2 75	574 75	8
7515	Fireman	1	209	2 36	493 24	8
7515	Weighman	1	209	2 25	470 25	8
7515	Dumpers	4	209	2 53	528 77	8
7515	Trimmers	7	209	2 53	528 77	8
7515	Carpenter	1	209	2 81	587 29	8
7515	Blacksmiths	2	209	3 37	704 33	8
7515	Greasers	4	209	2 36	493 24	8
7515	Hostlers	1	209	2 02	422 18	8
7516	Pick miners	13	126	3 50	441 00	8
7516	Machine cutters	16	126	4 25	535 50	8
7516	Loaders	111	126	3 00	378 00	8
7516	Track layers	2	126	2 56	322 56	8
7516	Drivers	5	126	2 56	322 56	8
7516	Timberman	1	126	2 56	322 56	8
7516	Pumper	1	126	2 56	322 56	8
7516	Cagers	2	126	2 56	322 56	8
7516	Trappers	3	126	1 13	142 38	8
7516	Engineers	3	126	2 81	354 06	8
7516	Firemen	3	126	2 36	297 36	8
7516	Weighman	1	126	2 75	346 50	8
7516	Dumper	1	126	2 36	297 36	8
7516	Trimmer	1	126	2 36	297 36	8
7516	Carpenters	2	126	2 81	354 06	8
7516	Blacksmiths	2	126	3 00	378 00	8
7516	Greasers	2	126	1 41	177 66	8
7516	Hostlers	2	126	2 00	252 00	8
7517	Pick miners	25	200	2 50	500 00	8
7517	Track layer	1	200	2 50	500 00	8
7517	Trappers	2	200	1 12	224 00	8
7517	Weighman	1	200	2 00	400 00	8
7517	Trimmer	1	200	2 50	500 00	8
7517	Blacksmith	1	200	2 50	500 00	8
7518	Pick miners	35	216	2 30	496 80	7
7518	Machine cutters	3	216	3 70	799 20	8
7518	Loaders	30	216	1 65	356 40	7
7518	Track layer	1	216	2 41	520 56	7
7518	Drivers	8	216	2 33	503 28	7
7518	Timberman	1	216	2 33	503 28	8
7518	Trappers	2	216	1 06	228 96	7
7518	Engineer	1	216	4 00	864 00	7
7518	Weighman	1	216	2 00	432 00	7
7518	Dumper	1	216	2 24	483 86	7
7518	Trimmers	2	216	2 24	483 86	7
7518	Carpenter	1	216	2 39	516 24	7
7518	Blacksmith	1	216	2 53	546 48	7
7518	Greaser	1	216	1 33	287 28	7
7521	Machine cutters	4	193	3 00	579 00	8
7521	Loaders	41	193	3 00	579 00	8
7521	Track layer	1	193	2 56	494 08	8
7521	Drivers	8	193	2 56	494 08	8
7521	Timberman	1	193	2 56	494 08	8
7521	Pumpers	2	193	2 56	494 08	8
7521	Trapper	1	193	1 13	218 09	8
7521	Engineers	2	193	3 00	579 00	8
7521	Fireman	1	193	2 36	455 48	8

TABLE IX1—COAL MINING—ATHENS COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7521	Weighman	1	193	$2 36	$455 48	8
7521	Dumper	1	193	2 36	455 48	8
7521	Trimmer	1	193	2 36	455 48	8
7521	Blacksmith	1	193	3 00	579 00	8
7521	Greaser	1	193	2 36	455 48	8
7521	Hostler	1	193	2 36	455 48	8
7522	Machine cutters	2	220	4 06	893 20	8
7522	Loaders	8	220	2 56	563 20	8
7522	Drivers	1	220	2 56	563 20	8
7522	Engineer	1	220	2 25	495 00	8
7522	Weighman	1	220	2 56	563 20	8
7524	Machine cutters	10	169	4 40	743 60	8
7524	Loaders	102	169	2 54	429 26	8
7524	Track layers	2	169	2 10	354 90	8
7524	Drivers	12	169	2 10	354 90	8
7524	Pumpers	2	169	2 10	354 90	8
7524	Trappers	4	169	1 00	169 00	8
7524	Other inside labor	6	169	2 10	354 90	8
7524	Engineers	2	169	2 25	380 25	9
7524	Fireman	1	169	2 10	354 90	8
7524	Dumper	1	169	2 25	380 25	8
7524	Trimmers	4	169	2 10	354 90	8
7524	Carpenter	1	169	2 10	354 90	8
7524	Blacksmith	1	169	2 50	422 50	8
7524	Greaser	1	169	2 10	354 90	8
7524	Other outside labor	8	169	2 10	354 90	8
7526	Pick miners	26	162	2 40	388 80	8
7526	Loaders	2	162	2 56	414 72	8
7526	Track layer	1	162	2 56	414 72	8
7526	Trapper	1	162	1 36	220 32	8
7526	Engineer	1	162	2 56	414 72	8
7526	Weighman	1	162	2 56	414 72	8
8137	Pick miners	8	365	3 00	1,095 00	8
8137	Machine cutters	2	365	3 00	1,095 00	8
8137	Loaders	3	365	2 25	821 25	8
8137	Drivers	2	365	2 00	730 00	8
8138	Machine cutters	6	185	4 50	832 50	8
8138	Loaders	62	185	3 00	555 00	8
8138	Track layers	2	185	2 56	473 60	8
8138	Drivers	6	185	2 56	473 60	8
8138	Pumpers	2	185	2 36	436 00	12
8138	Cager	1	185	2 56	473 60	8
8138	Trappers	4	185	1 13	209 05	8
8138	Other inside labor	2	185	2 36	436 60	8
8138	Engineers	2	185	3 12	577 20	11
8138	Fireman	1	185	2 36	436 60	11
8138	Weighman	1	185	2 50	462 50	8
8138	Dumper	1	185	2 36	436 60	8
8138	Trimmers	3	185	2 36	436 60	8
8138	Carpenter	1	185	3 00	555 00	8
8138	Blacksmith	1	185	2 81	519 85	8
8138	Greaser	1	185	1 41	260 85	8
8138	Hostler	1	185	1 75	423 75	8
8138	Other outside labor	3	185	1 97	364 45	8
8139	Pick miners	30	185	2 00	370 00	8
8139	Track layer	1	185	2 00	370 00	8
8139	Drivers	3	185	2 00	370 00	8
8139	Trapper	1	185	75	138 75	8
8139	Engineer	1	185	2 00	370 00	8
8139	Weighman	1	185	2 00	370 00	8
8139	Trimmer	1	185	2 00	370 00	8
8140	Pick miners	15	100	2 70	270 00	8
8140	Drivers	2	100	1 85	185 00	8
8140	Trimmer	1	100	2 00	200 00	8
8142	Machine cutters	16	215	3 96	851 40	8
8142	Loaders	133	215	2 79	599 85	8
8142	Track layers	4	215	2 56	560 40	8
8142	Drivers	12	215	2 56	560 40	8

TABLE IXI—COAL MINING—ATHENS COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8142	Timbermen	2	215	$2 56	$560 40	8
8142	Pumpers	2	215	2 36	507 40	8
8142	Trappers	6	215	1 15	247 25	8
8142	Other outside labor	6	215	2 36	507 40	8
8142	Engineers	2	215	2 56	560 40	8
8142	Weighman	1	215	2 50	537 50	8
8142	Dumpers	2	215	2 36	507 40	8
8142	Trimmers	6	215	2 36	507 40	8
8142	Carpenters	2	215	2 56	560 40	8
8142	Blacksmith	1	215	3 50	752 50	8
8142	Greasers	1	215	1 13	242 95	8
8142	Hostler	1	215	2 00	430 00	8
8142	Other outside labor	3	215	2 36	507 40	8
8168	Pick miners	20	240	4 00	960 00	8
8168	Drivers	4	240	2 56	614 40	8
8168	Pumper	1	240	2 36	566 40	8
8168	Weighman	1	240	2 36	566 40	8
8168	Dumper	1	240	2 36	566 40	8
8168	Trimmer	1	240	2 36	566 40	8
8168	Blacksmith	1	240	2 56	614 40	8
8081	Pick miners	6	100	2 56	256 00	8
8081	Machine cutters	2	100	2 76	276 00	8
8081	Loaders	4	100	1 75	175 00	8
8081	Track layer	1	100	2 56	256 00	8
8081	Driver	1	100	2 56	256 00	8
8081	Engineer	1	100	2 25	225 00	8
8081	Fireman	1	100	2 00	200 00	8
8081	Weighman	1	100	2 56	256 00	8
8081	Trimmer	1	100	2 56	256 00	8
8081	Carpenter	1	100	2 56	256 00	8
8081	Blacksmith	1	100	2 56	256 00	8
8084	Pick miners	12	40	2 40	96 00	8
8084	Driver	1	40	2 10	84 00	8
8084	Engineer	1	40	2 50	100 00	8
8084	Other outside labor	1	40	2 00	80 00	8

TABLE IX2—COAL MINING—BELMONT COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7536*	Pick miners	470	187	$3 43	$644 41	8
7536	Machine cutters	40	187	3 40	635 80	8
7536	Loaders	215	187	2 87	536 69	8
7536	Track layers	9	187	2 94	549 78	8
7536	Drivers	90	187	2 94	549 78	8
7536	Timbermen	12	187	2 94	549 78	8
7536	Pumpers	6	187	2 94	549 78	8
7536	Trappers	27	187	2 94	549 78	6
7536	Other inside labor	16	187	2 94	549 78	8
7536	Engineers	7	187	3 26	609 62	8
7536	Firemen	3	187	3 26	609 62	8
7536	Weighmen	4	187	2 36	441 32	8
7536	Dumpers	4	187	2 36	441 32	8
7536	Trimmers	17	187	2 36	441 32	8
7536	Carpenters	6	187	3 78	706 86	8
7536	Blacksmiths	9	187	3 78	706 86	8
7536	Greasers	4	187	2 36	441 32	8
7536	Hostlers	5	187	2 36	441 32	8
7536	Other outside labor	30	187	2 36	441 32	8
7537	Pick miners	66	216	2 75	594 00	8
7537	Track layer	1	216	2 56	552 96	8
7537	Drivers	4	216	2 56	552 96	8
7537	Trapper	1	216	1 00	216 00	8
7537	Other inside labor	7	216	1 90	410 40	9
7537	Engineer	1	216	2 25	486 00	10
7537	Weighman	1	216	2 00	432 00	10
7537	Dumper	1	216	2 00	432 00	8
7537	Other outside labor	3	216	2 00	432 00	10
7539	Pick miners	117	209	2 25	470 25	8
7539	Track layers	2	209	2 56	535 04	8
7539	Drivers	8	209	2 56	535 04	8
7539	Trappers	3	209	1 13	236 17	8
7539	Other inside labor	2	209	2 36	493 24	8
7539	Engineer	1	209	3 25	679 25	8
7539	Weighman	1	209	2 50	622 50	8
7539	Dumper	1	209	2 10	438 90	8
7539	Trimmers	2	209	2 10	438 90	8
7539	Blacksmith	1	209	2 80	585 20	8
7539	Greaser	1	209	1 23	257 07	8
7539	Other outside labor	4	209	1 88	392 92	8
7540	Machine cutters	16	181	3 00	543 00	8
7540	Loaders	34	181	3 10	561 10	8
7540	Track layers	2	181	2 56	463 36	8
7540	Drivers	8	181	2 56	463 36	8
7540	Timberman	1	181	2 50	452 50	8
7540	Other inside labor	1	181	2 80	506 80	8
7540	Engineer	2	181	3 00	543 00	9
7540	Firemen	2	181	1 97	356 57	9
7540	Weighman	1	181	2 50	452 50	8
7540	Dumper	1	181	2 10	380 10	8
7540	Trimmer	1	181	1 97	356 57	8
7540	Blacksmiths	2	181	2 58	466 98	8
7540	Hostler	1	181	2 00	362 00	10
7540	Other outside labor	2	181	1 97	356 57	8
7541	Pick miners	24	200	2 50	500 00	8
7541	Drivers	2	200	2 00	400 00	8
7541	Engineer	1	200	2 00	400 00	8
7541	Fireman	1	200	1 75	350 00	8
7541	Trimmer	1	200	1 50	300 00	8
7542	Pick miners	133	233	1 55	361 15	8
7542	Machine cutters	2	233	2 82	657 06	8
7542	Loaders	10	233	2 10	489 30	8
7542	Track layers	2	233	2 50	582 50	8
7542	Drivers	10	233	2 48	577 84	8
7542	Timbermen	2	233	2 55	594 15	8
7542	Trappers	3	233	1 11	258 63	8

*4 mines.

TABLE IX2—COAL MINING—BELMONT COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7542	Other inside labor	7	233	$2 46	$573 18	8
7542	Engineer	1	233	3 12	726 96	8
7542	Weighman	1	233	2 91	678 03	8
7542	Trimmers	2	233	1 87	435 71	8
7542	Carpenter	1	233	2 28	531 24	8
7542	Blacksmith	1	233	2 80	652 40	8
7542	Greaser	1	233	1 40	326 20	8
7542	Hostler	1	233	1 88	438 04	8
7542	Other outside labor	5	233	1 95	454 35	8
7544	Pick miners	7	240	2 52	604 80	8
7544	Drivers	2	240	2 56	614 40	8
7545	Pick miner	1	200	2 00	400 00	8
7546	Pick miners	3	200	1 50	300 00	10
7547	Pick miners	5	250	3 20	800 00	7
7547	Driver	1	250	2 00	500 00	8
7548	Pick miners	3	180	2 00	360 00	8
7549	Pick miners	4	270	1 50	405 00	8
7549	Driver	1	270	1 50	405 00	8
7550	Pick miners	6	306	3 00	918 00	8
7550	Driver	1	306	2 56	783 36	8
7551†	Pick miner	1	140	3 85	539 00	8
7551	Machine cutters	12	140	4 25	595 00	8
7551	Loaders	60	140	4 08	571 20	8
7551	Track layers	2	140	2 56	358 40	8
7551	Drivers	8	140	2 56	358 40	8
7551	Timberman	1	140	2 56	358 40	8
7551	Trappers	3	140	1 13	158 20	8
7551	Other inside labor	18	140	2 42	338 80	8
7551	Engineers	4	140	2 76	386 40	8
7551	Weighmen	2	140	2 00	280 00	8
7551	Dumpers	3	140	2 09	292 60	8
7551	Trimmers	3	140	2 09	292 60	8
7551	Carpenters	4	140	2 36	330 40	8
7551	Blacksmiths	2	140	2 80	392 00	8
7551	Greaser	1	140	1 23	172 20	8
7551	Other outside labor	7	140	2 36	330 40	8
7552	Pick miners	7	156	3 32	517 92	8
7552	Driver	1	156	2 56	399 36	8
7553	Pick miners	62	230	2 00	460 00	8
7553	Machine cutters	13	230	2 25	517 50	8
7553	Loaders	77	230	2 00	460 00	8
7553	Track layers	5	230	2 32	533 60	8
7553	Drivers	9	230	2 44	561 20	8
7553	Pumpers	3	230	2 39	549 70	8
7553	Cager	1	230	2 44	561 20	8
7553	Trappers	3	230	1 09	250 70	8
7553	Other inside labor	2	230	2 29	526 70	8
7553	Engineers	2	230	2 75	632 50	10
7553	Weighman	1	230	2 08	478 40	10
7553	Dumper	1	230	2 01	462 30	8
7553	Trimmer	1	230	2 19	503 70	8
7553	Blacksmiths	2	230	2 56	588 80	8
7553	Greaser	1	230	1 40	322 00	8
7553	Hostler	1	230	2 00	460 00	12
7553	Other outside labor	2	230	1 83	420 90	8
7554	Pick miners	8	223	2 50	557 50	8
7554	Machine cutters	16	223	2 90	646 70	8
7554	Loaders	125	223	2 25	501 75	8
7554	Track layers	2	223	2 45	546 35	8
7554	Drivers	14	223	2 45	546 35	8
7554	Timbermen	2	223	2 45	546 35	8
7554	Pumper	1	223	2 45	546 35	8
7554	Cager	1	223	1 10	245 30	8
7554	Trappers	4	223	2 20	590 60	8
7554	Other inside labor	2	223	4 00	892 00	8
7554	Engineers	3	223	2 25	501 75	12

†2 mines.

TABLE IX2—COAL MINING—BELMONT COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7554	Firemen	2	223	$2 25	$501 75	12
7554	Weighman	1	223	2 75	613 25	8
7554	Dumper	1	223	2 10	468 30	8
7554	Trimmers	3	223	1 91	425 93	8
7554	Carpenter	1	223	2 25	501 75	8
7554	Blacksmiths	2	223	2 80	624 40	8
7554	Greaser	1	223	1 19	265 37	8
7554	Hostler	1	223	2 00	446 00	10
7554	Other outside labor	7	223	1 91	425 93	8
7555	Pick miners	5	283	3 60	1,018 80	7
7555	Drivers	2	283	2 00	566 00	8
7555	Dumper	1	283	1 75	495 25	8
7556‡	Pick miners	382	176	2 70	475 20	8
7556	Track layers	6	176	2 56	450 56	8
7556	Drivers	38	176	2 56	450 56	8
7556	Timbermen	2	176	2 56	450 56	8
7556	Trappers	10	176	1 13	198 88	8
7556	Other inside labor	8	176	2 80	492 80	8
7556	Engineers	4	176	2 56	450 56	8
7556	Firemen	3	176	2 36	425 36	8
7556	Weighmen	3	176	2 36	425 36	8
7556	Dumpers	5	176	1 98	348 48	8
7556	Trimmers	9	176	1 98	348 48	8
7556	Carpenter	1	176	2 50	440 00	8
7556	Blacksmiths	3	176	3 25	572 00	8
7556	Greaser	1	176	1 13	198 88	8
7556	Other outside labor	2	176	1 69	297 44	8
7557‡	Pick miners	30	200	2 75	550 00	8
7557	Machine cutters	50	200	4 00	800 00	8
7557	Loaders	340	200	2 50	500 00	8
7557	Track layers	6	200	2 56	512 00	8
7557	Drivers	35	200	2 56	512 00	8
7557	Timbermen	4	200	2 56	512 00	8
7557	Trappers	20	200	1 13	226 00	8
7557	Other inside labor	12	200	2 36	472 00	8
7557	Engineers	5	200	2 99	598 00	12
7557	Firemen	3	200	2 27	454 00	12
7557	Weighmen	3	200	2 43	486 00	8
7557	Dumpers	3	200	2 10	420 00	8
7557	Trimmers	11	200	2 02	404 00	8
7557	Carpenters	4	200	2 91	582 00	8
7557	Blacksmiths	6	200	2 75	550 00	8
7557	Greasers	3	200	1 63	326 00	8
7557	Hostlers	3	200	2 25	450 00	12
7557	Other outside labor	6	200	2 02	404 00	8
7558	Pick miners	7	169	1 75	295 75	8
7558	Driver	1	169	2 00	338 00	8
7559	Pick miners	7	300	2 50	750 00	8
7559	Driver	1	300	2 36	708 00	8
7559	Other outside labor	1	300	2 36	708 00	8
7560	Pick miners	10	280	3 00	840 00	8
7560	Drivers	2	280	2 56	716 80	8
7562	Pick miners	2	270	2 85	774 90	8
7562	Engineer	1	270	2 10	567 00	8
7562	Other outside labor	1	270	2 00	540 00	8
7563‡	Pick miners	37	103	2 75	283 25	8
7563	Track layer	1	103	2 56	263 68	8
7563	Drivers	4	103	2 56	263 68	8
7563	Timberman	1	103	2 56	263 68	8
7563	Weighmen	2	103	2 00	206 00	8
7563	Trimmers	2	103	2 70	278 10	8
7563	Blacksmiths	2	103	2 50	257 50	8
7563	Hostler	1	103	1 50	154 50	8
7563	Other outside labor	2	103	2 00	206 00	8
7568	Pick miners	4	200	2 50	500 00	10
7568	Driver	1	200	2 50	500 00	10

‡3 mines.

TABLE IX2—COAL MINING—BELMONT COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7568	Weighman	1	200	$2 00	$400 00	10
7569	Pick miner	1	200	4 00	800 00	8
7569	Driver	1	200	2 56	512 00	8
7571	Pick miner	1	20	1 50	30 00	8
7573	Pick miners	22	261	2 00	522 00	8
7573	Machine cutters	14	261	3 25	848 25	8
7573	Loaders	65	261	2 12	553 32	8
7573	Track layer	1	261	2 56	668 16	8
7573	Drivers	5	261	2 56	668 16	8
7573	Cager	1	261	2 56	668 16	8
7573	Trapper	1	261	1 13	294 93	8
7573	Other inside labor	1	261	2 36	615 96	8
7573	Engineers	2	261	2 50	652 50	8
7573	Fireman	1	261	2 00	522 00	8
7573	Dumper	1	261	2 50	652 50	8
7573	Trimmer	1	261	1 97	514 17	8
7573	Blacksmith	1	261	2 80	730 80	8
7573	Hostler	1	261	50	130 50	8
7574	Pick miners	8	214	1 90	406 60	8
7574	Track layer	1	214	1 75	374 50	9
7574	Driver	1	214	1 75	374 50	9
7574	Timberman	1	214	1 75	374 50	9
7574	Pumper	1	214	1 60	342 40	9
7574	Fireman	1	214	1 60	342 40	9
7574	Dumper	1	214	1 50	321 00	9
7575	Pick miners	7	156	3 32	517 92	8
7575	Driver	1	156	2 56	399 36	8
8098	Machine cutters	40	270	3 00	810 00	8
8098	Track layer	1	270	2 56	691 20	8
8098	Drivers	4	270	2 56	691 20	8
8098	Timberman	1	270	2 56	691 20	8
8098	Trappers	3	270	1 13	305 10	8
8098	Other inside labor	2	270	2 00	540 00	8
8098	Engineer	1	270	2 00	540 00	8
8098	Fireman	1	270	1 75	472 50	8
8098	Weighman	1	270	2 50	675 00	8
8098	Dumper	1	270	2 00	540 00	8
8098	Trimmer	1	270	2 25	607 50	8
8098	Blacksmiths	2	270	2 15	580 50	8
8098	Greaser	1	270	1 00	270 00	8
8098	Other outside labor	2	270	2 00	540 00	8
8130	Pick miners	50	80	4 00	320 00	8
8130	Track layer	1	80	2 56	204 80	8
8130	Drivers	4	80	2 56	204 80	8
8310	Weighman	1	80	3 00	240 00	8
8130	Trimmer	1	80	2 00	160 00	8
8130	Blacksmith	1	80	2 56	204 80	8
8130	Greaser	1	80	1 25	100 00	8
8130	Hostler	1	80	1 50	120 00	8
8145	Pick miners	5	225	3 00	675 00	8
8145	Driver	1	225	2 36	531 00	8
8147†	Pick miners	3	170	3 50	595 00	8
8147	Machine cutters	6	170	3 50	595 00	8
8147	Loaders	30	170	3 00	510 00	8
8147	Track layer	1	170	2 56	435 20	8
8147	Drivers	4	170	2 56	435 20	8
8147	Trappers	2	170	1 13	192 10	8
8147	Other inside labor	1	170	2 36	401 20	8
8147	Engineer	1	170	2 71	460 70	8
8147	Weighman	1	170	2 71	460 70	8
8147	Trimmer	1	170	2 02	343 40	8
8147	Blacksmith	1	170	2 80	476 00	8
8147	Greaser	1	170	1 23	209 10	8
8147	Hostler	1	170	1 71	290 70	8
8147	Other outside labor	2	170	2 02	343 40	8
8151	Pick miners	40	180	2 00	360 00	8

†2 mines.

TABLE IX2—COAL MINING—BELMONT COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8151	Machine cutters	8	180	$3 00	$540 00	8
8151	Loaders	30	180	2 12	381 60	7.5
8151	Track layer	1	180	2 74	493 20	8
8151	Drivers	5	180	2 56	460 80	8
8151	Timberman	1	180	2 56	460 80	8
8151	Trapper	1	180	1 13	203 40	8
8151	Engineer	1	180	2 25	405 00	8
8151	Fireman	1	180	1 50	270 00	8
8151	Weighman	1	180	2 25	405 00	8
8151	Dumper	1	180	2 10	378 00	8
8151	Trimmer	1	180	1 97	354 60	8
8151	Blacksmith	1	180	2 80	504 00	8
8152	Pick miners	76	95	3 08	292 60	8
8152	Track layers	2	95	2 56	242 20	8
8152	Drivers	5	95	2 56	242 20	8
8152	Timbermen	2	95	2 56	242 20	8
8152	Cagers	2	95	2 56	242 20	8
8152	Trappers	2	95	1 13	107 35	8
8152	Engineer	1	95	3 12	296 40	8
8152	Firemen	3	95	3 12	296 40	8
8152	Weighman	1	95	2 56	242 20	8
8152	Trimmer	1	95	2 02	191 90	8
8152	Carpenter	1	95	3 00	285 00	8
8152	Blacksmith	1	95	3 00	285 00	8
8152	Hostler	1	95	2 08	197 60	8
8152	Other outside labor	29	95	1 69	160 55	8

TABLE IX3—COAL MINING—CARROLL COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7580	Pick miners	2	180	$2 00	$360 00	8
7580	Driver	1	180	2 00	360 00	8
7581	Pick miners	3	200	2 33	466 00	8
7582	Machine cutters	6	226	5 04	1,139 04	8
7582	Loaders	40	226	3 89	879 14	8
7582	Track layers	3	226	2 56	578 56	8
7582	Drivers	6	226	2 56	578 56	8
7582	Pumpers	3	226	2 56	578 56	8
7582	Trapper	1	226	1 35	305 10	8
7582	Other inside labor	6	226	2 56	578 56	8
7582	Engineers	2	226	2 25	508 50	8
7582	Weighman	1	226	2 08	470 08	8
7582	Dumpers	2	226	2 00	452 00	8
7582	Trimmers	4	226	2 00	452 00	8
7582	Carpenter	1	226	2 08	470 08	8
7582	Blacksmith	1	226	2 70	610 20	8
7582	Greaser	1	226	1 13	255 38	8
7582	Hostler	1	226	1 67	377 42	8
7582	Other outside labor	1	226	1 50	339 00	8
7583	Pick miners	3	130	1 50	195 00	8
7583	Driver	1	130	1 25	162 50	8
7584	Pick miners	2	140	2 00	280 00	8
7585–1	Pick miners	15	132	3 50	462 00	8
7585–1	Machine cutters	14	132	3 50	462 00	8
7585–1	Loaders	110	132	2 75	363 00	8
7585–1	Track layers	2	312	2 56	337 92	8
7585–1	Drivers	10	132	2 56	337 92	8
7585–1	Timbermen	2	132	2 56	337 92	8
7585–1	Pumper	1	132	2 56	337 92	8
7585–1	Trappers	7	132	1 13	149 16	8
7585–1	Other inside labor	10	132	2 36	311 52	8
7585–1	Engineers	2	132	2 56	337 92	8
7585–1	Fireman	1	132	2 25	297 00	8
7585–1	Weighman	1	132	2 56	337 92	8
7585–1	Dumper	1	132	2 00	264 00	8
7585–1	Trimmers	3	132	2 00	264 00	8
7585–1	Blacksmiths	2	132	2 70	356 40	8
7585–1	Greaser	1	132	1 25	165 00	8
7585–1	Hostler	1	132	2 25	297 00	8
7585–1	Other outside labor	2	132	2 00	264 00	8
7585–2	Pick miners	5	222	3 00	666 00	8
7585–2	Machine cutters	12	222	3 00	666 00	8
7585–2	Loaders	75	222	2 50	555 00	8
7585–2	Track layers	2	222	2 56	568 32	8
7585–2	Drivers	7	222	2 56	568 32	8
7585–2	Timbermen	5	222	2 56	568 32	8
7585–2	Pumpers	3	222	2 50	555 00	8
7585–2	Cagers	2	222	2 56	568 32	8
7585–2	Trappers	4	222	1 13	244 86	8
7585–2	Other inside labor	3	222	2 36	523 92	8
7585–2	Engineers	3	222	2 56	568 32	8
7585–2	Fireman	1	222	2 25	499 50	8
7585–2	Weighman	1	222	2 56	568 32	8
7585–2	Trimmers	4	222	2 00	444 00	8
7585–2	Blacksmiths	2	222	2 70	599 40	8
7585–2	Greaser	1	222	1 25	277 50	8
7585–2	Hostler	1	222	2 25	499 50	8
7585–2	Other outside labor	2	222	2 00	444 00	8
7585–3	Pick miners	9	178	3 00	534 00	8
7585–3	Machine cutters	20	178	3 00	534 00	8
7585–3	Loaders	100	178	2 50	445 00	8
7585–3	Track layers	2	178	2 56	455 68	8
7585–3	Drivers	10	178	2 56	455 68	8
7585–3	Timbermen	2	178	2 56	455 68	8
7585–3	Pumper	1	178	2 50	445 00	8
7585–3	Cagers	2	178	2 56	455 68	8
7585–3	Trappers	8	178	1 13	201 14	8
7585–3	Other inside labor	7	178	2 36	420 08	8

TABLE IX3—COAL MINING—CARROLL COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7585–3	Engineers	3	178	$2 56	$455 68	8
7585–3	Fireman	1	178	2 25	400 50	8
7585–3	Weighman	1	178	2 56	455 68	8
7585–3	Trimmers	4	178	2 00	358 00	8
7585–3	Blacksmiths	2	178	2 70	480 60	8
7585–3	Greaser	1	178	1 25	222 50	8
7585–3	Hostler	1	178	2 25	400 50	8
7585–3	Other outside labor	2	178	2 00	356 00	8
7586	Pick miners	4	90	2 86	257 40	8
7586	Driver	1	90	2 56	230 40	8
7588	Machine cutters	16	240	3 16	758 40	8
7588	Loaders	63	240	2 04	489 60	8
7588	Track layers	3	240	2 56	614 40	8
7588	Drivers	10	240	2 56	614 40	8
7588	Timberman	1	240	2 56	614 40	8
7588	Pumpers	2	240	1 10	264 00	8
7588	Engineer	2	240	2 56	614 40	9
7588	Weighman	1	240	2 56	614 40	8
7588	Dumpers	2	240	1 91	458 40	8
7588	Trimmers	2	240	1 91	458 40	8
7588	Carpenter	1	240	2 56	614 40	8
7588	Blacksmiths	2	240	2 56	614 40	8
7588	Greaser	1	240	1 75	420 00	8
8121	Pick miners	5	233	4 40	1,025 20	8
8121	Driver	1	233	2 56	596 48	8
8121	Other inside labor	1	233	2 56	596 48	8

TABLE IX4—COAL MINING—COLUMBIANA COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7593*	Pick miners	48	220	$2 75	$605 00	8
7593	Track layers	2	220	2 56	563 20	8
7593	Drivers	7	220	2 56	563 20	8
7593	Pumpers	2	220	2 56	563 20	8
7593	Trappers	3	220	1 13	248 60	8
7593	Engineer	1	220	2 56	563 20	8
7593	Weighman	1	220	2 50	550 00	8
7593	Dumpers	2	220	2 36	519 20	8
7593	Trimmer	1	220	2 36	519 20	8
7593	Blacksmith	1	220	2 56	563 20	8
7593	Greaser	1	220	1 40	308 00	8
7593	Hostler	1	220	1 00	220 00	8
7595	Machine cutters	4	180	2 48	446 40	8
7595	Loaders	18	180	2 42	435 60	8
7595	Track layer	1	180	2 56	460 80	8
7595	Drivers	2	180	2 56	460 80	8
7595	Engineer	1	180	2 25	405 00	8
7595	Weighman	1	180	2 50	450 00	8
7595	Trimmer	1	180	1 91	343 80	8
7595	Other outside labor	1	180	1 91	343 80	8
7596	Pick miners	70	264	2 50	660 00	8
7596	Track layers	3	264	2 50	660 00	8
7596	Drivers	8	264	2 50	660 00	8
7596	Pumpers	3	264	2 25	594 00	8
7596	Cager	1	264	1 91	504 24	8
7596	Trapper	1	264	1 13	298 32	8
7596	Engineer	1	264	2 50	660 00	8
7596	Fireman	1	264	2 00	528 00	8
7596	Weighman	1	264	2 00	528 00	8
7596	Dumpers	2	264	1 91	504 24	8
7596	Trimmer	1	264	1 91	504 24	8
7596	Blacksmith	1	264	2 50	660 00	8
7596	Greaser	1	264	1 91	504 24	8
7596	Hostler	1	264	30	79 20	..
7597	Pick miners	3	300	2 50	750 00	8
7598	Pick miners	3	140	2 50	350 00	8
7599	Pick miners	4	200	2 00	400 00	8
7599	Other outside labor	1	200	1 00	200 00	8
7601	Pick miners	2	234	1 75	409 50	8
7601	Driver	1	234	2 00	468 00	8
7602	Pick miners	4	250	2 00	500 00	8
7602	Driver	1	250	2 00	500 00	8
7603*	Pick miners	55	208	2 37	492 96	8
7603	Track layers	2	208	2 56	532 48	8
7603	Drivers	6	208	2 56	532 48	8
7603	Pumper	1	208	2 56	532 48	8
7603	Cagers	2	208	2 56	532 48	8
7603	Trappers	2	208	1 00	208 00	8
7603	Other inside labor	2	208	2 56	532 48	8
7603	Engineer	2	208	2 50	520 00	8
7603	Weighmen	2	208	2 00	416 00	8
7603	Blacksmith	1	208	2 50	520 00	8
7603	Greaser	1	208	1 00	208 00	8
7603	Other outside labor	4	208	2 56	532 48	8
7604	Pick miners	41	241	2 39	575 99	8
7604	Track layers	3	241	2 25	542 25	8
7604	Drivers	3	241	2 25	542 25	8
7604	Engineers	2	241	2 37	571 17	8
7604	Weighmen	2	241	1 94	467 54	8
7604	Trimmers	2	241	1 72	414 52	8
7604	Blacksmith	1	241	2 50	602 50	8
7604	Other outside labor	4	241	1 35	325 35	8
7606	Pick miners	3	144	2 60	374 40	8
7607	Pick miners	3	150	2 45	367 50	8
7607	Driver	1	150	2 56	384 00	8
7607	Other outside labor	1	150	1 55	232 50	8

*2 mines.

TABLE IX4—COAL MINING—COLUMBIANA COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7608	Pick miners	60	306	$2 38	$728 28	8
7608	Track layers	2	306	2 56	783 36	8
7608	Drivers	4	306	2 56	783 36	8
7608	Trapper	1	306	1 91	584 46	8
7608	Other inside labor	6	306	2 75	841 50	8
7608	Engineer	1	306	2 00	612 00	8
7608	Fireman	1	306	2 00	612 00	8
7608	Weighman	1	306	2 43	743 58	8
7608	Dumpers	2	306	1 91	584 46	8
7608	Trimmers	2	306	1 91	384 46	8
7608	Blacksmith	1	306	2 56	783 36	8
7608	Greaser	1	306	1 91	584 46	8
7608	Other outside labor	1	306	1 65	504 90	8
7609	Pick miners	30	219	1 80	394 20	8
7609	Machine cutters	4	219	2 63	575 97	8
7609	Loaders	24	219	2 07	453 33	8
7609	Track layer	1	219	2 56	560 64	8
7609	Driver	4	219	2 56	560 64	8
7609	Other inside labor	1	219	1 91	418 29	8
7609	Engineer	1	219	2 25	492 75	8
7609	Weighman	1	219	2 70	591 30	8
7609	Trimmer	1	219	1 91	418 29	8
7609	Blacksmith	1	219	2 25	492 75	8
7609	Greaser	1	219	1 91	418 29	8
7609	Other outside labor	1	219	1 91	418 29	8
7610	Pick miners	2	219	1 25	273 75	8
7612	Pick miners	49	250	2 27	567 50	8
7612	Track layer	1	250	2 56	640 00	8
7612	Drivers	3	250	2 56	640 00	8
7612	Pumper	1	250	2 56	640 00	8
7612	Cager	1	250	2 56	640 00	8
7612	Trapper	1	250	1 20	300 00	8
7612	Engineer	1	250	2 25	562 50	8
7612	Weighman	1	250	2 25	562 50	8
7612	Dumper	1	250	1 91	477 50	8
7612	Trimmer	1	250	1 91	477 50	8
7612	Blacksmith	1	250	2 56	640 00	8
7612	Other outside labor	2	250	1 91	477 50	8
7613	Pick miners	61	268	2 61	701 48	8
7613	Track layers	5	268	2 59	694 12	8
7613	Drivers	6	268	2 56	686 08	8
7613	Pumpers	2	268	2 36	632 48	8
7613	Other inside labor	1	268	2 56	686 08	8
7613	Engineer	1	268	2 56	686 08	8
7613	Firemen	2	268	2 00	536 00	8
7613	Weighman	1	268	2 36	632 48	8
7613	Dumper	1	268	1 91	511 88	8
7613	Trimmers	3	268	1 91	511 88	8
7613	Blacksmith	1	268	2 56	686 08	8
7613	Greaser	1	268	1 91	511 88	8
7613	Hostler	1	268	1 91	511 88	8
7614	Pick miners	50	200	3 00	600 00	8
7614	Track layers	3	200	2 56	512 00	8
7614	Drivers	7	200	2 56	512 00	8
7614	Cager	1	200	2 56	512 00	8
7614	Engineer	1	200	2 56	512 00	8
7614	Fireman	1	200	2 00	400 00	8
7614	Weighman	1	200	2 75	550 00	10
7614	Dumper	1	200	1 91	382 00	8
7614	Trimmers	2	200	1 91	382 00	8
7614	Blacksmith	1	200	2 56	512 00	8
7614	Greaser	1	200	1 28	256 00	8
7614	Other outside labor	1	200	1 28	256 00	8
7615	Pick miners	8	243	2 50	607 50	8
7615	Driver	1	243	2 56	622 08	8
7615	Weighman	1	243	2 00	486 00	8
7616	Pick miners	8	297	2 50	742 50	8
7616	Track layer	1	297	2 56	760 32	8

TABLE IX4—COAL MINING—COLUMBIANA COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7616	Driver	1	297	$2 56	$760 32	8
7616	Other inside labor	1	297	2 56	760 32	8
7616	Engineer	1	297	2 56	760 32	8
7617*	Machine cutters	12	240	2 81	674 40	8
7617	Loaders	180	240	2 15	516 00	8
7617	Track layers	3	240	2 15	516 00	8
7617	Drivers	19	240	2 10	504 00	8
7617	Timberman	1	240	2 28	547 20	8
7617	Pumpers	2	240	2 10	504 00	8
7617	Cagers	3	240	2 10	504 00	8
7617	Trappers	5	240	1 00	240 00	8
7617	Other inside labor	7	240	2 10	504 00	8
7617	Engineers	2	240	2 28	547 00	8
7617	Firemen	2	240	2 10	504 00	8
7617	Weighman	1	240	2 22	532 80	8
7617	Dumper	1	240	1 74	417 60	8
7617	Trimmer	2	240	1 74	417 60	8
7617	Carpenter	1	240	2 10	504 00	8
7617	Blacksmiths	4	240	2 28	547 00	8
7617	Greaser	1	240	1 74	417 60	8
7617	Hostler	1	240	2 00	480 00	8
7617	Other outside labor	3	240	1 74	417 60	8
7618	Pick miners	10	300	2 50	750 00	8
7618	Driver	2	300	2 56	768 00	8
7619	Pick miners	8	288	2 75	792 00	8
7619	Driver	1	288	2 56	737 28	8
7620	Pick miners	3	200	2 00	400 00	8
7620	Driver	1	200	2 56	512 00	8
7621	Pick miners	9	250	2 75	687 50	8
7621	Track layer	1	250	2 56	650 00	8
7621	Driver	1	250	2 56	650 00	8
7621	Other outside labor	2	250	1 65	412 50	8
7623	Pick miners	120	200	2 00	400 00	8
7623	Track layers	4	200	2 07	414 00	8
7623	Drivers	9	200	2 56	512 00	8
7623	Pumper	1	200	2 00	400 00	8
7623	Trapper	1	200	1 50	300 00	8
7623	Other inside labor	2	200	2 56	512 00	8
7623	Engineers	2	200	2 10	420 00	8
7623	Weighman	1	200	2 00	400 00	8
7623	Dumper	1	200	1 91	382 00	8
7623	Trimmer	1	200	1 91	382 00	8
7623	Carpenter	1	200	1 91	382 00	8
7623	Blacksmiths	2	200	2 56	512 00	8
7623	Hostler	1	200	1 75	350 00	8
7623	Other outside labor	3	200	1 91	382 00	8
7624	Pick miners	2	200	1 25	250 00	8
7626*	Machine cutters	4	240	3 00	720 00	8
7626	Loaders	48	240	2 50	600 00	8
7626	Track layers	4	240	2 56	614 40	8
7626	Drivers	14	240	2 56	614 40	8
7626	Timbermen	2	240	2 56	614 40	8
7626	Pumpers	2	240	2 25	540 00	8
7626	Cager	1	240	2 56	614 40	8
7626	Trappers	3	240	1 13	271 20	8
7626	Other inside labor	2	240	1 80	432 00	8
7626	Engineers	3	240	2 56	614 40	8
7626	Weighman	1	240	2 50	600 00	8
7626	Trimmer	1	240	2 36	566 40	8
7626	Blacksmiths	2	240	2 56	614 40	8
7626	Greaser	1	240	1 80	432 00	8
7626	Hostler	1	240	2 00	480 00	8
8104	Pick miners	13	119	2 25	267 75	8
8104	Machine cutters	3	119	3 00	357 00	8
8104	Loaders	6	119	2 50	297 50	8
8104	Track layer	1	119	2 56	304 64	8

*2 mines.

TABLE IX4—COAL MINING—COLUMBIANA COUNTY.

Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8104	Drivers	2	119	$2 56	$304 64	8
8104	Timberman	1	119	2 56	304 64	8
8104	Engineer	1	119	2 56	304 64	8
8104	Trimmer	1	119	2 36	280 84	8
8104	Blacksmith	1	119	2 56	304 64	8
8128	Pick miners	12	320	3 00	960 00	8
8128	Machine cutters	3	320	3 00	960 00	8
8128	Loaders	5	320	2 60	832 00	8
8128	Drivers	2	320	2 56	819 20	8
8128	Pumper	1	320	2 56	819 20	8
8128	Cager	1	320	2 56	819 20	8
8128	Engineer	1	320	2 56	819 20	9
8128	Fireman	1	320	2 00	640 00	9
8128	Weighman	1	320	1 91	611 20	9
8128	Dumpers	2	320	1 91	611 20	8
8128	Blacksmith	1	320	2 56	819 20	9
8159	Pick miners	3	180	4 00	720 00	8
8159	Machine cutters	4	180	3 15	567 00	8
8159	Loaders	20	180	4 00	720 00	8
8159	Track layer	1	180	2 56	460 80	8
8159	Drivers	3	180	2 56	460 80	8
8159	Timberman	1	180	2 56	460 80	8
8159	Other inside labor	1	180	2 36	424 80	8
8159	Engineer	1	180	2 71	487 80	8
8159	Weighman	1	180	2 08	374 40	8
8159	Dumper	1	180	2 56	460 80	8
8159	Trimmer	1	180	2 36	424 80	8
8159	Blacksmith	1	180	2 56	460 80	8
8159	Greasers	2	180	1 13	203 40	8

TABLE IX5—COAL MINING—COSHOCTON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7630	Pick miners	56	232	$2 75	$628 00	8
7630	Track layers	2	232	2 56	593 92	8
7630	Drivers	11	232	2 56	593 92	8
7630	Timbermen	2	232	2 36	557 52	8
7630	Pumper	1	232	2 00	464 00	8
7630	Trappers	3	232	1 13	262 16	8
7630	Other inside labor	3	232	2 69	624 08	8
7630	Engineer	1	232	2 60	603 20	8
7630	Weighman	1	232	2 56	593 92	8
7630	Dumpers	3	232	1 62	375 84	8
7630	Trimmer	1	232	2 25	522 00	8
7630	Blacksmith	1	232	2 56	593 92	8
7630	Hostler	1	232	1 08	250 56	8
7630	Other outside labor	3	232	1 50	348 00	8
7631	Pick miners	41	224	2 81	629 44	8
7631	Track layer	1	224	2 56	573 44	8
7631	Drivers	6	224	2 56	573 44	8
7631	Timbermen	3	224	2 36	528 68	8
7631	Weighman	1	224	2 25	504 00	8
7631	Dumpers	2	224	1 25	280 00	8
7631	Trimmers	1	224	2 25	504 00	8
7631	Blacksmith	1	224	2 81	629 44	8
7633	Pick miners	4	224	2 00	448 00	8
7634	Pick miners	5	200	2 00	400 00	8
7635	Pick miners	4	300	1 69	507 00	8
7635	Driver	1	300	1 69	507 00	8
7636	Pick miners	96	225	2 77	623 25	8
7636	Track layers	2	225	2 56	576 00	8
7636	Drivers	14	225	2 56	576 00	8
7636	Timbermen	2	225	2 36	531 00	8
7636	Pumpers	2	225	2 36	531 00	8
7636	Trappers	3	225	1 13	254 25	8
7636	Other inside labor	2	225	2 36	531 00	8
7636	Weighman	1	225	2 56	576 00	8
7636	Dumpers	5	225	1 62	364 50	8
7636	Trimmers	2	225	2 25	506 25	8
7636	Blacksmiths	2	225	2 56	576 00	8
7636	Hostler	1	225	1 00	225 00	8
7637	Pick miners	20	262	1 80	471 60	8
7637	Track layer	1	262	2 42	634 04	8
7637	Drivers	2	262	2 42	634 04	8
7637	Other inside labor	1	262	2 42	634 04	8
7640	Pick miners	80	195	2 00	390 00	8
7640	Track layers	2	195	2 56	499 20	8
7640	Drivers	5	195	2 56	499 20	8
7640	Engineer	1	195	2 85	555 75	8
7640	Weighman	1	195	2 85	555 75	8
7640	Dumpers	2	195	2 25	438 75	8
7640	Trimmer	1	195	2 25	438 75	8
7640	Carpenter	1	195	2 50	487 50	8
7640	Blacksmith	1	195	2 50	487 50	8
7640	Other outside labor	2	195	2 36	460 20	8
7641	Pick miners	5	240	1 75	460 00	8
7642	Pick miners	3	228	1 75	399 00	8
7872 *	Pick miners	2	313	1 25	386 25	8
8088	Machine cutters	8	150	3 20	480 00	8
8088	Loaders	42	150	2 02	303 00	8
8088	Track layers	3	150	2 56	384 00	8
8088	Drivers	6	150	2 56	384 00	8
8088	Timberman	1	150	2 56	384 00	8
8088	Pumpers	2	150	2 36	374 00	8
8088	Trappers	2	150	1 13	169 50	8
8088	Engineer	2	150	2 80	420 00	8
8088	Weighman	1	150	2 40	360 00	8
8088	Dumper	1	150	2 25	337 50	8
8088	Trimmers	3	150	2 25	337 50	8
8088	Carpenter	1	150	2 25	337 50	8
8088	Blacksmith	1	150	2 56	384 00	8
8088	Greaser	1	150	1 50	225 00	8

*2 mines.

TABLE IX5—COAL MINING—COSHOCTON COUNTY.

Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8088	Hostler	1	150	$1 50	$225 00	8
8160	Pick miners	20	225	2 75	618 75	8
8160	Loaders	238	225	2 75	618 75	8
8160	Track layers	8	225	2 56	576 00	8
8160	Drivers	20	225	2 56	576 00	8
8160	Timbermen	5	225	2 56	576 00	8
8160	Pumpers	4	225	2 56	576 00	8
8160	Trappers	3	225	2 56	576 00	8
8160	Other inside labor	14	225	2 56	576 00	8
8160	Engineers	3	225	2 56	576 00	8
8160	Firemen	2	225	2 36	531 00	8
8160	Weighman	1	225	2 56	576 00	8
8160	Dumpers	8	225	2 36	531 00	8
8160	Trimmers	2	225	2 36	531 00	8
8160	Carpenters	4	225	2 25	506 25	8
8160	Blacksmiths	2	225	2 56	576 00	8
8160	Greasers	4	225	1 13	254 25	8
8160	Hostlers	2	225	2 56	576 00	8
8160	Other outside labor	10	225	2 36	531 00	8
8162	Pick miners	48	243	2 68	651 24	8
8162	Track layer	1	243	2 56	622 08	8
8162	Drivers	5	243	2 56	622 08	8
8162	Timbermen	3	243	2 36	573 48	8
8162	Pumper	1	243	2 36	573 48	8
8162	Engineer	1	243	3 00	729 00	8
8162	Weighman	1	243	2 51	609 93	8
8162	Dumper	1	243	1 68	408 24	8
8162	Trimmer	1	243	1 68	408 24	8
8162	Blacksmith	1	243	2 56	622 08	8
8162	Greaser	1	243	1 68	408 24	8
8162	Other outside labor	2	243	1 96	476 28	8

TABLE IX6—COAL MINING—GALLIA COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7647	Pick miners	36	150	$1 64	$410 00	8
7647	Drivers	6	250	1 76	440 00	8
7674	Other inside labor	2	250	1 76	440 00	8
7647	Trimmer	1	250	1 60	400 00	8
7647	Hostler	1	250	1 25	312 50	8
7647	Other outside labor	2	250	1 32	330 00	8

TABLE IX7—COAL MINING—GUERNSEY COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7650*	Machine cutters	30	212	$4 60	$975 20	8
7650	Loaders	250	212	2 75	583 00	8
7650	Track layers	5	212	2 56	542 72	8
7650	Drivers	38	212	2 56	542 72	8
7650	Timbermen	38	212	2 56	542 72	8
7650	Pumpers	4	212	2 56	542 72	8
7650	Cagers	8	212	2 56	542 72	8
7650	Trappers	14	212	1 13	239 56	8
7650	Other inside labor	16	212	2 36	500 32	8
7650	Engineers	8	212	2 65	561 80	8
7650	Firemen	7	212	2 36	500 32	8
7650	Weighmen	2	212	2 75	583 00	8
7650	Dumpers	10	212	2 36	500 32	8
7650	Trimmers	7	212	2 36	500 32	8
7650	Carpenters	2	212	2 65	561 80	8
7650	Blacksmiths	4	212	2 75	583 00	8
7650	Greaser	1	212	1 40	296 80	8
7650	Hostlers	2	212	2 00	424 00	8
7650	Other outside labor	3	212	2 36	500 32	8
7651*	Machine cutters	36	214	4 03	862 42	8
7651	Loaders	268	214	2 63	562 82	8
7651	Track layers	11	214	2 63	562 82	8
7651	Drivers	47	214	2 56	547 84	8
7651	Timbermen	3	214	2 56	547 84	8
7651	Pumpers	6	214	2 45	523 30	8
7651	Cagers	4	214	2 56	547 84	8
7651	Trappers	21	214	1 13	241 82	8
7651	Other inside labor	59	214	2 36	505 04	8
7651	Engineers	2	214	2 81	601 34	8
7651	Firemen	2	214	2 36	505 04	8
7651	Weighmen	2	214	2 50	535 00	8
7651	Dumpers	2	214	2 36	505 04	8
7651	Trimmers	5	214	2 36	505 04	8
7651	Carpenters	4	214	2 70	557 80	8
7651	Blacksmiths	4	214	2 81	601 34	8
7651	Greasers	2	214	1 50	321 00	8
7651	Hostlers	2	214	2 36	505 04	8
7651	Other outside labor	9	214	2 36	505 04	8
7652	Machine cutters	8	171	4 25	726 75	8
7652	Loaders	91	171	2 50	427 50	8
7652	Track layers	2	171	2 56	437 76	8
7652	Drivers	10	171	2 56	437 76	8
7652	Cagers	3	171	2 56	437 76	8
7652	Trappers	3	171	1 13	193 23	8
7652	Other inside labor	3	171	2 36	403 56	8
7652	Engineers	2	171	2 36	437 76	8
7652	Firemen	2	171	2 36	403 56	8
7652	Weighman	1	171	2 75	470 25	8
7652	Dumper	1	171	2 56	403 56	8
7652	Trimmers	3	171	2 40	410 40	8
7652	Blacksmith	1	171	2 87	490 77	8
7652	Other outside labor	2	171	2 36	403 56	8
7653	Machine cutters	9	225	3 00	675 00	8
7653	Loaders	68	225	2 50	562 50	8
7653	Track layers	2	225	2 56	576 00	8
7653	Drivers	15	225	2 56	576 00	8
7653	Timberman	1	225	2 56	576 00	8
7653	Pumpers	2	225	2 36	531 00	8
7653	Cagers	3	225	2 56	576 00	8
7653	Trappers	5	225	1 13	254 25	8
7653	Other inside labor	25	225	2 36	531 00	8
7653	Engineers	3	225	2 47	455 75	8
7653	Firemen	2	225	2 25	506 52	8
7653	Weighman	1	225	2 50	562 50	8
7653	Trimmers	3	225	2 36	531 00	8
7653	Carpenters	1	225	2 50	562 50	8

*2 mines.

TABLE IX7—COAL MINING—GUERNSEY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7653	Blacksmiths	2	225	$2 81	$632 25	8
7653	Hostler	1	225	2 00	450 00	8
7653	Other outside labor	1	225	2 36	531 00	8
7656	Machine cutters	12	126	2 50	315 00	8
7656	Loaders	65	126	2 80	352 80	8
7656	Track layers	2	126	2 56	322 56	8
7656	Drivers	7	126	2 56	322 56	8
7656	Pumpers	2	126	2 36	297 36	8
7656	Cagers	2	126	2 56	322 56	8
7656	Trappers	2	126	1 13	142 38	8
7656	Other inside labor	4	126	2 46	309 96	8
7656	Engineers	2	126	2 50	315 00	8
7656	Firemen	2	126	2 36	279 36	8
7656	Weighman	1	126	2 85	359 10	8
7656	Trimmers	3	126	2 36	297 36	8
7656	Blacksmith	1	126	2 81	354 06	8
7656	Hostler	1	126	1 35	170 10	8
7656	Other outside labor	3	126	2 36	297 36	8
7658	Pick miners	38	116	3 00	348 00	8
7658	Track layer	1	116	2 56	296 96	8
7658	Drivers	4	116	2 56	296 96	8
7658	Pumper	1	116	2 36	273 76	8
7658	Cager	1	116	2 36	273 76	8
7658	Engineer	1	116	2 50	290 00	8
7658	Weighman	1	116	2 25	261 00	8
7658	Trimmer	1	116	2 36	273 76	8
7658	Blacksmith	1	116	2 81	325 96	8
7659	Machine cutters	11	173	4 45	768 45	8
7659	Loaders	90	173	2 66	460 18	8
7659	Track layers	3	173	2 56	442 88	8
7659	Drivers	20	173	2 56	442 88	8
7659	Timbermen	2	173	2 36	408 28	8
7659	Cagers	2	173	2 56	460 18	8
7659	Trappers	3	173	1 13	195 49	8
7659	Other inside labor	2	173	2 36	408 28	8
7659	Engineers	2	173	3 04	525 92	12
7659	Firemen	2	173	3 04	525 92	12
7659	Weighman	1	173	2 36	408 28	8
7659	Dumper	1	173	2 36	408 28	8
7659	Trimmers	2	173	2 36	408 28	8
7659	Carpenter	1	173	2 36	408 28	8
7659	Blacksmiths	2	173	3 00	519 00	8
7659	Greaser	1	173	2 36	408 28	8
7659	Hostler	1	173	2 23	385 79	8
7660	Pick miners	8	112	1 80	201 60	8
7660	Driver	1	112	2 56	286 72	8
7661	Machine cutters	7	212	3 00	636 00	7
7661	Loaders	66	212	3 00	636 00	7
7661	Track layers	3	212	2 56	542 72	8
7661	Drivers	7	212	2 56	542 72	8
7661	Pumpers	4	212	2 36	500 32	8
7661	Cagers	3	212	2 56	542 72	8
7661	Trappers	6	212	1 13	239 56	8
7661	Other inside labor	10	212	2 36	500 32	8
7661	Engineers	2	212	3 04	644 48	10
7661	Weighman	1	212	2 40	508 80	8
7661	Dumper	1	212	2 36	500 32	8
7661	Trimmers	2	212	2 36	500 32	8
7661	Carpenters	2	212	2 70	572 40	8
7661	Blacksmith	1	212	2 81	595 72	8
7661	Other outside labor	5	212	2 36	500 32	8
7662	Pick miners	40	162	3 08	498 96	8
7662	Track layers	3	162	2 56	414 72	8
7662	Drivers	6	162	2 56	414 72	8
7662	Pumper	1	162	2 56	414 72	8
7662	Engineer	1	162	2 81	455 22	8
7662	Fireman	1	162	2 36	382 32	8
7662	Weighman	1	162	2 25	364 50	8
7662	Dumper	1	162	2 36	382 32	8

TABLE IX7—COAL MINING—GUERNSEY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7662	Trimmer	2	162	$2 36	$382 32	8
7662	Blacksmith	1	162	2 81	455 22	8
7662	Greaser	1	162	2 36	382 32	8
7662	Hostler	1	162	1 13	183 06	8
7663†	Pick miners	52	251	3 15	790 60	8
7663	Machine cutters	64	251	4 25	1,066 75	8
7663	Loaders	418	251	2 80	702 80	8
7663	Track layers	12	251	2 56	642 56	8
7663	Drivers	67	251	2 56	642 56	8
7663	Timbermen	10	251	2 56	642 56	8
7663	Pumpers	8	251	2 36	592 36	8
7663	Cagers	7	251	2 56	642 56	8
7663	Trappers	25	251	1 13	283 63	8
7663	Other inside labor	15	251	2 36	592 36	8
7663	Engineer	10	251	2 50	627 50	8
7663	Firemen	12	251	2 36	592 36	8
7663	Weighmen	4	251	2 60	652 60	8
7663	Trimmers	10	251	2 56	622 56	8
7663	Carpenters	3	251	2 50	627 50	8
7663	Blacksmiths	7	251	2 81	705 31	8
7663	Greasers	4	251	1 40	351 40	8
7663	Hostlers	4	251	2 25	564 75	8
7663	Other outside labor	8	251	2 36	592 36	8
7664	Pick miners	2	190	2 00	380 00	8
7927	Machine cutters	8	229	3 12	708 48	8
7927	Loaders	65	229	2 15	492 35	8
7927	Track layers	2	229	2 56	586 24	8
7927	Drivers	7	229	2 56	586 24	8
7927	Timberman	1	229	2 56	586 24	8
7927	Pumpers	2	229	2 36	540 44	8
7927	Cager	1	229	2 56	586 24	8
7927	Trappers	2	229	1 13	258 77	8
7927	Other inside labor	2	229	2 46	563 34	8
7927	Engineers	2	229	2 50	572 50	8
7927	Firemen	3	229	2 36	540 44	8
7927	Weighman	1	229	2 00	458 00	8
7927	Trimmers	3	229	2 36	540 44	8
7927	Blacksmith	1	229	2 81	643 49	8
7927	Hostler	1	229	1 50	343 50	8
7927	Other outside labor	4	229	2 46	563 34	8
8080	Machine cutters	4	173	4 26	736 98	8
8080	Loaders	58	173	2 50	432 50	8
8080	Track layers	2	173	2 56	442 88	8
8080	Drivers	4	173	2 56	442 88	8
8080	Cagers	2	173	2 56	442 88	8
8080	Trapper	1	173	1 13	195 49	8
8080	Engineers	2	173	2 42	418 66	8
8080	Fireman	1	173	2 36	408 28	8
8080	Weighman	1	173	2 36	408 28	8
8080	Trimmer	2	173	2 36	408 28	8
8080	Blacksmith	1	173	2 87	499 51	8
8123	Pick miners	8	175	2 10	367 50	8
8123	Carpenters	3	175	2 00	350 00	8
8123	Other outside labor	31	175	1 50	262 50	8
8163	Pick miners	4	166	3 50	581 00	8
8163	Machine cutters	16	166	3 75	622 50	8
8163	Loaders	105	166	3 25	539 50	8
8163	Track layers	4	166	2 41	400 06	8
8163	Drivers	13	166	2 58	428 28	8
8163	Timbermen	6	166	2 56	424 96	8
8163	Pumpers	2	166	2 36	391 76	8
8163	Cagers	2	166	2 56	424 96	8
8163	Trappers	5	166	1 13	187 58	8
8163	Other inside labor	4	166	2 36	391 76	8
8163	Engineers	2	166	3 00	498 00	8
8163	Firemen	3	166	2 36	391 76	8

†4 mines.

TABLE IX7—COAL MINING—GUERNSEY COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8163	Weighman	1	166	$2 36	$391 76	8
8163	Trimmers	3	166	2 36	391 76	8
8163	Carpenter	1	166	2 50	415 00	8
8163	Blacksmiths	2	166	3 00	498 00	8
8163	Hostler	1	166	2 50	415 00	8
8163	Other outside labor	2	166	2 36	391 76	8

TABLE IX8—COAL MINING—HARRISON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7670	Pick miner	1	140	$1 50	$210 00	8
7671	Pick miners	5	310	2 00	620 00	8
7673	Pick miner	1	215	1 90	408 50	8
7674	Pick miners	58	96	3 09	296 64	8
7674	Track layers	2	96	2 42	232 32	8
7674	Drivers	5	96	2 33	223 68	8
7674	Trapper	1	96	1 06	101 76	8
7674	Other inside labor	3	96	2 35	224 60	8
7674	Engineer	1	96	2 00	192 00	8
7674	Weighman	1	96	1 50	144 00	8
7674	Dumpers	2	96	1 90	182 40	8
7674	Trimmer	1	96	2 10	201 60	8
7674	Blacksmith	1	96	2 50	240 00	8
7675	Pick miner	1	60	2 25	135 00	8
7676	Pick miners	260	206	2 90	597 40	8
7676	Machine cutters	4	206	2 90	597 40	8
7676	Loaders	22	206	2 80	576 80	8
7676	Track layers	8	206	2 46	506 76	8
7676	Drivers	18	206	2 56	527 36	8
7676	Timbermen	3	206	2 36	486 16	8
7676	Pumpers	3	206	2 56	527 36	8
7676	Trappers	7	206	1 13	232 78	8
7676	Other inside labor	15	206	2 43	500 58	8
7676	Engineer	1	206	2 90	597 40	8
7676	Fireman	1	206	1 92	395 52	8
7676	Weighman	1	206	2 36	486 16	8
7676	Dumper	1	206	2 10	432 60	8
7676	Trimmers	7	206	1 89	389 34	8
7676	Carpenters	2	206	2 36	486 16	8
7676	Blacksmiths	3	206	2 62	539 72	8
7676	Hostler	1	206	2 10	432 60	8
7676	Other outside labor	10	206	2 02	416 12	8
7677	Pick miner	1	14	2 10	29 40	8
7679	Pick miner	1	52	1 50	78 00	8
7680	Pick miners	4	310	2 00	620 00	8
7680	Other outside labor	1	310	1 50	465 00	8
8103	Pick miners	30	220	2 14	470 80	8
8103	Track layers	2	220	2 56	563 20	8
8103	Drivers	4	220	2 56	563 20	8
8103	Timberman	1	220	2 56	563 20	8
8103	Cager	1	220	1 68	369 60	8
8103	Trapper	1	220	1 13	248 60	8
8103	Other inside labor	3	220	2 36	519 20	8
8103	Engineer	1	220	2 25	495 00	8
8103	Weighman	1	220	1 50	330 00	8
8103	Trimmer	1	220	2 00	440 00	8
8103	Other outside labor	2	220	1 50	330 00	8

TABLE IX9—COAL MINING—HOCKING COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7519	Machine cutters	2	200	$4 00	$800 00	8
7519	Loaders	18	200	3 00	600 00	8
7519	Track layer	1	200	2 36	472 00	8
7519	Drivers	4	200	2 56	512 00	8
7519	Engineer	1	200	3 00	600 00	8
7519	Weighman	1	200	2 36	472 00	8
7519	Dumper	1	200	2 36	472 00	8
7519	Trimmer	1	200	2 36	472 00	8
7685*	Machine cutters	56	200	4 93	986 00	8
7685	Loaders	572	200	3 06	612 00	8
7685	Track layers	6	200	2 75	550 00	8
7685	Drivers	47	200	2 56	512 00	8
7685	Timbermen	3	200	2 56	512 00	8
7685	Pumpers	3	200	2 56	512 00	8
7685	Trappers	31	200	1 13	226 00	8
7685	Other inside labor	48	200	2 57	514 00	8
7685	Engineers	8	200	2 75	550 00	8
7685	Firemen	7	200	2 36	472 00	8
7685	Weighmen	4	200	2 25	450 00	8
7685	Dumpers	4	200	2 25	450 00	8
7685	Trimmers	24	200	2 36	472 00	8
7685	Carpenters	3	200	2 80	560 00	8
7685	Blacksmiths	5	200	3 10	620 00	8
7685	Greasers	2	200	1 90	380 00	8
7685	Other outside labor	8	200	2 26	452 00	8
7688*	Pick miners	8	122	4 00	488 00	8
7688	Machine cutters	30	122	5 00	610 00	8
7688	Loaders	295	122	3 00	366 00	8
7688	Track layers	6	122	2 56	312 32	8
7688	Drivers	28	122	2 56	312 32	8
7688	Timbermen	5	122	2 56	312 32	8
7688	Pumpers	3	122	2 36	287 92	8
7688	Trappers	10	122	1 13	137 86	8
7688	Other inside labor	16	122	2 56	312 32	8
7688	Engineers	5	122	2 81	342 82	8
7688	Firemen	2	122	2 36	287 92	8
7688	Weighmen	3	122	2 75	335 50	8
7688	Dumpers	8	122	2 36	287 92	8
7688	Trimmers	14	122	2 36	287 92	8
7688	Carpenters	2	122	2 81	342 82	8
7688	Blacksmiths	5	122	3 00	366 00	8
7688	Greasers	4	122	1 41	172 02	8
7688	Hostlers	3	122	2 00	244 00	8
7688	Other outside labor	5	122	2 36	287 92	8
7689†	Pick miners	115	180	2 66	478 80	8
7689	Machine cutters	107	180	5 94	1,069 20	8
7689	Loaders	980	180	2 72	489 60	8
7689	Track layers	18	180	2 56	460 80	8
7689	Drivers	86	180	2 56	460 80	8
7689	Timbermen	5	180	2 56	460 80	8
7689	Pumpers	10	180	2 56	460 80	8
7689	Trappers	54	180	1 13	289 48	8
7689	Other inside labor	55	180	2 52	453 60	8
7689	Engineers	10	180	2 51	451 80	8
7689	Firemen	7	180	2 32	417 60	8
7689	Weighmen	6	180	2 00	360 00	8
7689	Dumpers	6	180	2 50	450 00	8
7689	Trimmers	34	180	2 36	424 80	8
7689	Carpenters	7	180	2 66	478 80	8
7689	Blacksmiths	7	180	3 10	558 00	8
7689	Greasers	7	180	1 50	270 00	8
7689	Hostlers	8	180	2 12	381 60	8
7689	Other outside labor	45	180	2 36	424 80	8
7690	Pick miners	14	200	4 00	800 00	8
7690	Other inside labor	1	200	2 56	512 00	8

*4 mines.
†6 mines.

TABLE IX9—COAL MINING—HOCKING COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7690	Trimmers	2	200	$2 56	$512 00	8
7690	Other outside labor	1	200	2 56	512 00	8
8170	Machine cutters	2	216	3 50	756 00	8
8170	Loaders	15	216	2 50	540 00	8
8170	Track layer	1	216	2 36	509 76	8
8170	Drivers	2	216	2 56	552 96	8
8170	Engineer	1	216	2 50	540 00	8
8170	Dumper	1	216	2 25	486 00	8
8170	Trimmer	1	216	2 25	486 00	8

TABLE IX10—COAL MINING—HOLMES COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7696	Pick miners	6	280	$1 65	$462 00	7
7697	Pick miners	2	312	1 68	524 16	9
7698	Pick miners	15	300	1 80	540 00	6
7698	Drivers	2	300	1 50	450 00	6
7698	Other inside labor	2	300	1 50	450 00	8
7698	Weighman	1	300	1 50	450 00	10
7698	Other outside labor	2	300	1 50	450 00	8
7699	Pick miners	8	135	1 50	202 50	8
7699	Track layer	1	135	2 00	270 00	8
7699	Driver	1	135	1 50	202 50	8
7699	Other inside labor	1	135	1 25	168 75	8
7701	Pick miners	2	250	1 50	375 00	8
8105	Pick miners	19	237	2 50	592 50	8
8105	Track layer	1	237	2 56	606 72	8
8105	Drivers	2	237	2 56	606 72	8
8105	Engineer	1	237	2 00	474 00	8
8105	Weighman	1	237	1 75	414 65	8
8105	Dumper	1	237	1 75	414 65	8
8105	Trimmer	1	237	1 75	414 65	8
8105	Blacksmith	1	237	2 00	474 00	8

TABLE IXII—COAL MINING—JACKSON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7705	Pick miners	28	275	$2 61	$617 75	8
7705	Machine cutters	20	275	3 58	378 50	8
7705	Loaders	80	275	2 79	767 25	8
7705	Track layers	4	275	2 25	618 75	8
7705	Drivers	25	275	1 96	539 00	8
7705	Timbermen	3	275	2 25	618 75	8
7705	Pumpers	2	275	2 00	550 00	8
7705	Cagers	3	275	2 00	550 00	8
7705	Trappers	8	275	95	261 25	8
7705	Other inside labor	17	275	2 03	558 25	8
7705	Engineers	3	275	3 00	825 00	8
7705	Firemen	2	275	2 15	591 25	8
7705	Weighman	1	275	2 75	756 25	8
7705	Dumpers	3	275	2 00	550 00	8
7705	Trimmers	5	275	2 10	577 50	8
7705	Carpenter	1	275	2 25	618 75	8
7705	Blacksmith	3	275	2 62	720 50	8
7705	Greasers	3	275	1 18	324 50	8
7705	Other outside labor	12	275	2 01	552 75	8
7706	Pick miners	50	250	3 00	750 00	8
7706	Track layers	2	250	2 21	552 50	8
7706	Drivers	10	250	1 96	490 00	8
7706	Timberman	1	250	2 21	552 50	8
7706	Pumper	1	250	2 00	500 00	8
7706	Cager	1	250	2 00	500 00	8
7706	Trappers	3	250	94	235 00	8
7706	Other inside labor	4	250	2 50	625 00	8
7706	Engineer	1	250	2 75	687 50	6
7706	Firemen	2	250	2 10	525 00	8
7706	Weighman	1	250	2 55	637 50	8
7706	Dumpers	1	250	1 96	490 00	8
7706	Trimmers	2	250	2 00	500 00	8
7706	Blacksmith	1	250	2 45	612 50	8
7706	Greaser	1	250	1 15	287 50	8
7706	Other outside labor	1	250	2 15	557 50	8
7707*	Pick miners	25	216	2 45	529 20	8
7707	Machine cutters	6	216	2 31	498 96	8
7707	Loaders	27	216	2 52	544 32	8
7707	Track layers	2	216	2 25	486 00	8
7707	Drivers	5	216	2 00	432 00	8
7707	Other inside labor	6	216	2 00	432 00	8
7707	Engineer	2	216	2 50	540 00	8
7707	Weighman	1	216	2 16	466 56	8
7707	Dumper	1	216	2 00	432 00	8
7707	Trimmer	1	216	2 00	432 00	8
7707	Blacksmith	1	216	2 35	507 60	8
7708	Pick miners	6	110	2 85	313 50	8
7708	Driver	1	110	2 06	226 60	8
7708	Other outside labor	1	110	2 06	226 60	8
7709	Pick miners	4	218	3 15	686 70	8
7709	Driver	1	218	2 06	449 08	8
7709	Engineer	1	218	2 06	449 08	8
7709	Weighman	1	218	1 50	327 00	8
7710*	Pick miners	41	236	2 42	571 12	8
7710	Machine cutters	8	236	3 72	877 92	8
7710	Loaders	50	236	2 68	632 48	8
7710	Track layers	3	236	2 58	608 88	8
7710	Drivers	20	236	1 91	450 76	8
7710	Pumpers	3	236	2 06	486 16	8
7710	Cagers	3	236	2 01	474 36	8
7710	Trappers	5	236	91	214 76	8
7710	Other inside labor	15	236	2 24	528 64	8
7710	Engineers	2	236	2 56	605 16	8
7710	Firemen	3	236	2 52	594 72	8
7710	Weighmen	2	236	2 68	632 48	8
7710	Dumpers	3	236	1 90	448 40	8
7710	Trimmers	4	236	1 98	467 28	8

*2 mines.

TABLE IXII—COAL MINING—JACKSON COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7710	Blacksmiths	2	236	$2 44	$575 84	8
7710	Greaser	1	236	1 12	264 32	8
7710	Other outside labor	8	236	1 96	468 56	8
7712	Pick miners	6	275	3 50	962 50	8
7712	Machine cutters	4	275	2 25	618 75	8
7712	Loaders	20	275	2 50	687 50	8
7712	Track layer	1	275	2 31	635 25	8
7712	Drivers	7	275	2 06	566 50	8
7712	Pumper	1	275	1 80	495 00	12
7712	Cager	1	275	2 06	566 50	8
7712	Trappers	4	275	1 00	275 00	8
7712	Other inside labor	3	275	2 06	566 50	8
7712	Engineer	1	275	2 40	660 00	10
7712	Fireman	1	275	1 25	343 75	10
7712	Dumper	1	275	2 06	566 50	8
7712	Blacksmith	1	275	2 56	704 00	8
7712	Other outside labor	1	275	2 06	566 50	8
7713*	Pick miners	21	190	1 50	285 00	8
7713	Drivers	3	190	2 06	371 40	8
7713	Engineer	1	190	2 00	380 00	8
7713	Weigher	1	190	1 75	332 50	8
7713	Carpenters	3	190	2 00	380 00	8
7713	Other outside labor	5	190	1 50	285 00	8
7714	Machine cutters	4	250	2 25	562 50	8
7714	Loaders	8	250	2 25	562 50	8
7714	Track layer	1	250	2 31	577 50	8
7714	Drivers	2	250	2 06	515 00	8
7714	Other inside labor	2	250	2 25	562 50	8
7714	Engineer	1	250	2 50	625 00	10
7714	Weighman	1	250	2 00	500 00	8
7714	Trimmer	1	250	2 06	515 00	8
7715	Machine cutters	2	250	3 00	750 00	8
7715	Loaders	7	250	2 55	637 50	8
7715	Driver	1	250	2 25	562 50	8
7715	Other inside labor	3	250	2 25	562 50	8
7715	Blacksmith	1	250	2 25	562 50	8
7716	Pick miners	22	300	2 06	618 00	8
7716	Track layer	1	300	2 06	618 00	8
7716	Drivers	3	300	2 06	618 00	8
7716	Pumper	1	300	2 06	618 00	8
7716	Other inside labor	3	300	2 06	618 00	8
7716	Weighman	1	300	1 50	450 00	8
7716	Trimmer	1	300	2 06	618 00	8
7716	Blacksmith	1	300	2 31	693 00	8
7718†	Pick miners	127	232	2 58	598 56	8
7718	Machine cutters	10	232	3 00	696 00	8
7718	Loaders	55	232	3 25	754 00	8
7718	Track layers	6	232	2 31	515 92	8
7718	Drivers	19	232	2 06	477 92	8
7718	Cagers	4	232	2 15	498 80	8
7718	Trappers	4	232	1 00	232 00	8
7718	Other inside labor	46	232	2 06	477 92	8
7718	Engineers	4	232	2 92	687 44	8
7718	Firemen	2	232	1 67	387 44	8
7718	Weighmen	3	232	2 06	477 92	8
7718	Dumpers	4	232	2 06	477 92	8
7718	Trimmers	6	232	2 06	477 92	8
7718	Blacksmiths	4	232	2 56	593 92	8
7718	Greasers	2	232	1 00	232 00	8
7718	Other outside labor	6	232	2 06	477 92	8
7719	Pick miners	10	60	2 50	150 00	9
7719	Drivers	2	60	2 06	123 60	9
7719	Other inside labor	1	60	2 06	123 60	9
7719	Weighman	1	60	2 06	123 60	9
7719	Trimmer	1	60	2 06	123 60	9

*2 mines.
†3 mines.

TABLE IXII—COAL MINING—JACKSON COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7720†	Pick miners	221	227	$3 00	$681 00	8
7720	Track layers	5	227	2 31	524 37	8
7720	Drivers	25	227	2 06	467 62	8
7720	Timbermen	2	227	2 06	467 62	8
7720	Pumpers	4	227	2 06	467 62	8
7720	Cagers	5	227	2 14	485 78	8
7720	Trappers	10	227	1 00	227 00	8
7720	Other inside labor	10	227	2 06	467 62	8
7720	Engineers	4	227	2 50	567 50	8
7720	Firemen	2	227	2 06	467 62	8
7720	Weighmen	3	227	2 40	544 80	8
7720	Dumpers	4	227	2 06	467 62	8
7720	Trimmers	5	227	2 06	467 62	8
7720	Blacksmiths	3	227	2 56	581 12	8
7720	Greasers	2	227	1 25	283 75	8
7720	Hostlers	3	227	2 00	454 00	8
7720	Other outside labor	10	227	2 06	467 62	8
7721‡	Pick miners	649	291	2 65	818 05	8
7721	Machine cutters	36	291	3 13	910 83	8
7721	Loaders	190	291	2 25	654 75	8
7721	Track layers	15	291	2 31	672 21	8
7721	Drivers	189	291	2 06	599 46	8
7721	Timbermen	24	291	2 06	599 46	8
7721	Pumpers	9	291	2 06	599 46	8
7721	Cagers	26	291	2 16	628 56	8
7721	Trappers	86	291	1 00	291 00	8
7721	Other inside labor	129	291	2 06	599 46	8
7721	Engineers	9	291	2 16	628 56	8
7721	Firemen	16	291	2 06	599 46	8
7721	Weighmen	9	291	1 83	532 53	8
7721	Dumpers	6	291	2 06	599 46	8
7721	Trimmers	28	291	2 06	599 46	8
7721	Carpenters	3	291	2 25	654 75	8
7721	Blacksmiths	13	291	2 56	744 96	8
7721	Greasers	16	291	1 24	360 84	8
7721	Hostlers	9	291	1 83	532 53	8
7721	Other outside labor	29	291	2 10	611 10	8
7722	Pick miners	4	60	3 00	180 00	8
7722	Other inside labor	1	60	1 65	99 00	8
7722	Other outside labor	1	60	1 65	99 00	8
7723	Pick miners	2	300	2 06	618 00	8
7724	Pick miners	82	252	2 25	567 00	8
7724	Machine cutters	6	252	2 75	693 00	8
7724	Loaders	30	252	2 25	567 00	8
7724	Track layers	3	252	2 31	582 12	8
7724	Drivers	20	252	2 06	519 12	8
7724	Timbermen	2	252	2 31	582 12	8
7724	Pumper	1	252	2 00	504 00	8
7724	Cagers	2	252	2 31	582 12	8
7724	Trappers	9	252	1 00	252 00	8
7724	Other inside labor	5	252	2 06	519 12	8
7724	Engineer	1	252	2 50	630 00	8
7724	Fireman	1	252	2 00	504 00	8
7724	Weighman	1	252	2 16	544 32	8
7724	Dumpers	3	252	2 06	519 12	8
7724	Trimmers	2	252	2 06	519 12	8
7724	Carpenter	1	252	2 41	607 32	8
7724	Blacksmith	1	252	2 56	645 12	8
7724	Greaser	1	252	1 00	252 00	8
7724	Hostler	1	252	2 00	504 00	8
7724	Other outside labor	2	252	1 58	393 12	8
7725	Pick miners	28	216	2 95	637 20	8
7725	Track layers	2	216	2 31	498 96	8
7725	Drivers	4	216	2 06	444 96	8
7725	Trappers	2	216	1 00	216 00	8

†2 mines.
‡9 mines.

TABLE IXII—COAL MINING—JACKSON COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7725	Engineer	1	216	$2 50	$540 00	8
7725	Weighman	1	216	2 06	444 96	8
7725	Trimmers	2	216	2 06	444 96	8
7725	Blacksmith	1	216	2 56	552 96	8
7725	Greaser	1	216	2 06	444 96	8
7726	Pick miners	30	200	2 25	450 00	8
7726	Track layer	1	200	2 31	462 00	8
7726	Drivers	5	200	2 06	412 00	8
7726	Trappers	2	200	1 00	200 00	8
7726	Weighman	1	200	2 16	432 00	8
7726	Trimmer	1	200	2 06	412 00	8
7726	Blacksmith	1	200	2 06	412 00	8
7726	Greaser	1	200	2 06	412 00	8
7729	Pick miners	30	154	2 85	438 90	8
7729	Track layer	1	154	2 31	355 74	8
7729	Drivers	2	154	2 10	323 40	8
7729	Trapper	1	154	1 25	192 50	8
7729	Other inside labor	3	154	2 06	317 24	8
7729	Weighman	1	154	2 10	323 40	8
7729	Trimmer	1	154	2 16	332 64	8
7729	Blacksmith	1	154	2 31	355 74	8
7731*	Pick miners	135	175	2 10	367 50	8
7731	Track layers	2	175	2 31	404 25	8
7731	Drivers	12	175	2 06	360 50	8
7731	Pumpers	2	175	2 00	350 00	8
7731	Cager	1	175	2 06	360 50	8
7731	Trappers	4	175	1 00	175 00	8
7731	Other inside labor	6	175	2 06	360 50	8
7731	Engineer	1	175	2 12	371 00	8
7731	Fireman	1	175	2 06	360 50	8
7731	Weighmen	2	175	2 06	360 50	8
7731	Dumpers	2	175	2 06	360 50	8
7731	Trimmers	2	175	2 06	360 50	8
7731	Blacksmiths	2	175	2 41	421 75	8
7731	Greasers	2	175	1 25	218 75	8
7731	Hostlers	2	175	50	87 50	8
7732	Pick miners	72	207	2 85	589 95	8
7732	Track layers	2	207	2 32	480 24	8
7732	Drivers	14	207	2 06	426 42	8
7732	Timberman	1	207	2 16	446 12	8
7732	Pumper	1	207	2 06	426 42	8
7732	Cagers	2	207	2 06	426 42	8
7732	Trappers	6	207	1 00	207 00	8
7732	Engineer	1	207	2 06	426 42	8
7732	Weighman	1	207	2 16	446 12	8
7732	Trimmers	2	207	2 06	426 42	8
7732	Blacksmith	1	207	2 50	517 50	8
7732	Greaser	1	207	2 06	426 42	8
7732	Other outside labor	1	207	2 06	426 42	8
7733	Pick miners	18	129	1 51	195 19	8
7733	Track layer	1	129	2 31	297 99	8
7733	Drivers	2	129	2 06	265 74	8
7733	Timberman	1	129	2 06	265 74	8
7733	Pumper	1	129	2 06	265 74	8
7733	Cager	1	129	2 16	278 64	8
7733	Other inside labor	2	129	2 06	265 74	8
7733	Fireman	1	129	2 06	265 74	8
7733	Weighman	1	129	1 83	236 07	8
7733	Dumper	1	129	2 06	265 74	8
7733	Trimmer	1	129	2 06	265 74	8
7733	Blacksmith	1	129	2 56	330 24	8
7733	Greasers	2	129	1 24	159 96	8
7733	Hostler	1	129	1 83	236 07	8
7731	Pick miners	15	250	2 25	562 50	8
7735	Pick miners	34	216	1 96	423 36	8
7735	Machine cutters	4	216	2 50	540 00	8

*2 mines.

TABLE IXII—COAL MINING—JACKSON COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7735	Loaders	6	216	$1 96	$423 36	8
7735	Track layer	1	216	2 31	498 96	8
7735	Drivers	4	216	2 06	444 96	8
7735	Cager	1	216	2 06	444 96	8
7735	Trappers	3	216	1 00	216 00	8
7735	Other inside labor	1	216	2 06	444 96	8
7735	Engineer	1	216	2 31	498 96	8
7735	Weighman	1	216	2 06	444 96	8
7735	Dumper	1	216	2 06	444 96	8
7735	Trimmer	1	216	2 06	444 96	8
7735	Blacksmith	1	216	2 31	498 96	8
7735	Greaser	1	216	1 00	216 00	8
7735	Other outside labor	3	216	2 06	444 96	8
7736	Pick miners	2	200	1 25	250 00	8
7739	Pick miners	35	165	2 75	453 75	6
7739	Track layer	1	165	2 31	381 15	8
7739	Drivers	8	165	2 06	339 90	7
7739	Trappers	2	165	1 00	165 00	8
7739	Other inside labor	4	165	2 06	339 90	8
7739	Engineer	1	165	2 50	412 50	10
7739	Blacksmith	1	165	2 25	371 25	10
7739	Greaser	1	165	1 25	206 25	10
7740*	Pick miners	30	200	1 60	320 00	8
7740	Machine cutters	4	200	2 06	412 00	8
7740	Loaders	20	200	1 60	320 00	8
7740	Track layer	1	200	2 31	462 00	8
7740	Drivers	4	200	2 06	412 00	8
7740	Cager	1	200	2 06	412 00	8
7740	Weighman	1	200	2 06	412 00	8
7740	Trimmers	2	200	2 06	412 00	8
7740	Blacksmith	1	200	2 41	482 00	8
7740	Hostler	1	200	2 06	412 00	8
7741	Loaders	10	200	1 50	300 00	8
7742	Machine cutters	2	207	2 37	490 59	8
7742	Loaders	8	207	2 06	426 42	8
7742	Drivers	2	207	2 06	426 42	8
7742	Engineer	1	207	2 31	478 17	8
7742	Trimmer	1	207	2 06	426 42	8
7742	Blacksmith	1	207	2 56	529 92	8
7746	Pick miners	15	151	4 07	614 57	8
7746	Track layer	1	151	2 06	311 06	8
7746	Driver	1	151	1 25	189 75	8
7746	Trapper	1	151	1 00	151 00	8
7746	Other inside labor	3	151	2 12	320 12	8
7746	Dumper	1	151	2 06	311 06	8
8132	Pick miners	16	156	2 70	421 20	8
8132	Track layer	1	156	2 31	460 36	8
8132	Drivers	2	156	2 06	321 36	8
8132	Trapper	1	156	1 00	156 00	8
8132	Other inside labor	2	156	2 06	321 36	8
8132	Weighman	1	156	1 67	260 52	8
8132	Trimmer	1	156	2 06	321 36	8
8132	Blacksmith	1	156	2 50	234 00	8
8173	Pick miners	33	207	2 10	434 70	8
8173	Track layer	1	207	2 41	498 87	8
8173	Drivers	4	207	2 06	426 42	8
8173	Other inside labor	3	207	2 06	426 42	8
8173	Weighman	1	207	2 06	426 42	8
8173	Dumper	1	207	2 06	426 42	8
8173	Trimmer	1	207	2 06	426 42	8
8173	Blacksmith	1	207	2 41	498 87	8
8175	Pick miners	20	272	2 04	554 88	8
8175	Machine cutters	4	272	2 31	638 32	8
8175	Loaders	5	272	2 50	680 00	8
8175	Track layer	1	272	2 31	628 32	8
8175	Drivers	6	272	2 06	560 32	8

*2 mines.

TABLE IXII—COAL MINING—JACKSON COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8175	Pumper	1	272	$1 65	$448 80	8
8175	Other inside labor	7	272	2 06	560 32	8
8175	Engineers	2	272	2 72	739 84	8
8175	Fireman	1	272	1 96	533 12	8
8175	Trimmer	1	272	1 75	476 00	8
8175	Blacksmith	1	272	1 90	516 80	8
8175	Greaser	1	272	1 56	424 32	8
8177	Pick miners	6	120	2 80	336 00	8
8177	Track layer	1	120	2 50	300 00	8
8177	Drivers	2	120	2 06	247 20	8
8178	Pick miners	28	160	1 50	240 00	8
8178	Machine cutters	2	160	2 75	440 00	8
8178	Loaders	12	160	2 00	320 00	8
8178	Track layer	1	160	2 31	369 60	8
8178	Drivers	3	160	2 06	329 60	8
8178	Engineer	1	160	2 50	400 00	10
8178	Weighman	1	160	1 54	246 40	8
8178	Trimmers	2	160	2 06	329 60	8
8178	Blacksmith	1	160	2 41	385 60	8
8179	Pick miners	15	150	2 00	300 00	8
8179	Machine cutters	2	150	2 50	375 00	8
8179	Loaders	7	150	2 00	300 00	8
8179	Track layer	1	150	2 31	346 50	8
8179	Driver	1	150	2 06	309 00	8
8179	Trapper	1	150	1 00	150 00	8
8179	Fireman	1	150	2 50	375 00	8
8179	Weighman	1	150	2 06	309 00	8
8179	Trimmer	1	150	2 06	309 00	8
8179	Blacksmith	1	150	2 31	346 50	8

TABLE IX12—COAL MINING—JEFFERSON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7750	Pick miners	4	264	$1 75	$462 00	8
7751*	Pick miners	493	215	1 85	397 75	8
7751	Machine cutters	40	215	1 85	397 75	8
7751	Loaders	392	215	1 85	397 75	8
7751	Track layers	10	215	2 00	430 00	8
7751	Drivers	38	215	2 25	483 75	8
7751	Timbermen	6	215	2 00	430 00	8
7751	Trappers	35	215	90	193 50	8
7751	Other inside labor	50	215	1 75	376 25	8
7751	Engineers	6	215	2 50	537 50	8
7751	Firemen	6	215	2 00	430 00	8
7751	Weighman	3	215	2 00	430 00	8
7751	Dumpers	6	215	1 85	397 75	8
7751	Trimmers	10	215	1 60	344 00	8
7751	Carpenters	10	215	2 15	462 25	8
7751	Blacksmiths	7	215	1 75	376 25	8
7751	Greasers	7	215	90	193 50	8
7751	Other outside labor	75	215	1 65	354 75	8
7752	Machine cutters	4	304	3 84	1,167 36	8
7752	Loaders	20	304	3 32	1,009 28	8
7752	Track layers	3	304	2 56	778 24	8
7752	Cagers	2	304	1 60	486 40	9
7752	Trapper	1	304	1 10	334 40	8
7752	Other inside labor	15	304	2 27	690 08	8
7752	Engineer	1	304	2 64	802 56	12
7752	Weighman	1	304	1 90	577 60	9
7752	Dumpers	2	304	2 10	638 40	9
7752	Carpenters	2	304	2 85	866 40	9
7752	Blacksmith	1	304	2 60	790 40	9
7752	Hostler	1	304	1 90	577 60	9
7752	Other outside labor	25	304	1 78	541 12	9.1
7753	Pick miners	20	46	1 70	78 20	8
7753	Machine cutters	8	46	3 10	142 60	8
7753	Loaders	41	46	2 00	92 00	8
7753	Track layer	1	46	2 56	117 76	8
7753	Drivers	10	46	2 56	117 76	8
7753	Pumpers	3	46	2 56	117 76	8
7753	Cagers	2	46	2 56	117 76	8
7753	Trappers	3	46	1 13	51 98	8
7753	Other inside labor	4	46	2 10	96 60	8
7753	Engineer	1	46	2 80	128 80	8
7753	Firemen	2	46	2 00	92 00	8
5773	Weighman	1	46	2 25	103 50	8
7753	Dumpers	2	46	1 97	90 62	8
7753	Trimmers	2	46	2 16	99 36	8
7753	Blacksmith	1	46	2 80	128 80	8
7753	Hostler	1	46	2 56	117 76	8
7753	Other outside labor	2	46	2 10	96 60	8
7754	Machine cutters	4	260	3 00	780 00	9
7754	Loaders	35	260	2 00	520 00	8
7754	Drivers	2	260	2 56	665 60	8
7754	Engineer	1	260	2 50	650 00	8
7754	Trimmer	1	260	2 00	520 00	8
7754	Blacksmith	1	260	2 56	665 60	8
7755	Pick miners	9	250	2 00	500 00	8
7755	Driver	1	250	2 10	525 00	8
7756	Pick miners	124	229	2 25	515 25	8
7756	Driver	1	229	2 56	586 24	8
7756	Weighman	1	229	1 75	390 75	8
7756	Other outside labor	1	229	1 25	286 25	8
7757	Pick miners	4	250	1 75	437 50	9
7757	Other inside labor	1	250	1 75	437 50	9
7758	Pick miners	2	90	1 75	157 50	8
7759	Pick miners	5	160	2 00	320 00	8
7759	Track layer	1	160	2 00	320 00	8
7759	Driver	1	160	2 00	320 00	8
7759	Pumper	1	160	60	96 00	8

*3 mines.

TABLE IX12—COAL MINING—JFEFERSON COUNTY.

Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7760	Pick miners	2	150	$1 75	$262 50	8
7761	Pick miners	2	200	1 50	300 00	8
7762	Pick miners	52	200	2 60	520 00	7.5
7762	Track layer	1	200	2 56	512 00	7.5
7762	Drivers	5	200	2 56	512 00	7.5
7762	Trappers	2	200	1 13	226 00	7.5
7762	Other inside labor	3	200	2 91	582 00	7.5
7762	Weighman	1	200	3 25	650 00	7.5
7762	Dumper	1	200	1 50	300 00	7.5
7762	Trimmer	1	200	2 25	450 00	7.5
7762	Blacksmith	1	200	2 80	560 00	7.5
7762	Greaser	1	200	1 50	300 00	7.5
7762	Hostler	1	200	2 25	450 00	7.5
7762	Other outside labor	1	200	1 75	350 00	7.5
7764†	Pick miners	167	259	3 00	777 00	8
7764	Machine cutters	22	259	3 50	906 50	8
7764	Loaders	164	259	2 50	647 50	8
7764	Track layers	4	259	2 56	663 04	8
7764	Drivers	18	259	2 56	663 04	8
7764	Timbermen	2	259	2 56	663 04	8
7764	Pumpers	4	259	2 36	600 34	8
7764	Trappers	4	259	1 13	292 67	8
7764	Other inside labor	4	259	2 36	600 34	8
7764	Engineers	2	259	2 50	647 50	12
7764	Weighmen	2	259	2 40	621 60	9
7764	Dumpers	2	259	2 10	543 90	9
7764	Trimmers	6	259	1 97	510 23	8
7764	Carpenters	3	259	2 55	660 45	10
7764	Blacksmiths	4	259	2 75	722 25	9
7764	Greasers	2	259	1 23	498 57	8
7764	Other outside labor	2	259	1 60	414 40	10
7765	Machine cutters	20	208	3 50	728 00	8
7765	Loaders	132	208	2 35	488 80	8
7765	Track layers	4	208	2 36	490 88	8
7765	Drivers	22	208	2 56	532 48	8
7765	Pumpers	3	208	2 36	490 88	8
7765	Cagers	3	208	2 56	532 48	8
7765	Trappers	8	208	1 13	235 04	8
7765	Other inside labor	4	208	2 10	436 80	8
7765	Engineer	1	208	3 12	648 96	8
7765	Firemen	1	208	2 36	490 88	8
7765	Weighman	1	208	3 12	648 96	8
7765	Dumper	1	208	2 36	490 88	8
7765	Trimmers	3	208	2 36	490 88	8
7765	Carpenter	1	208	2 53	526 24	8
7765	Blacksmith	1	208	2 53	526 24	8
7765	Greaser	1	208	2 36	490 88	8
7765	Hostler	1	208	2 00	416 00	8
7765	Other outside labor	2	208	2 00	416 00	8
7766	Pick miners	4	250	2 00	500 00	8
7767†	Pick miners	164	203	2 09	424 27	8
7767	Machine cutters	18	203	3 50	710 50	8
7767	Loaders	140	203	1 77	359 31	8
7767	Track layers	4	203	3 02	613 06	8
7767	Drivers	28	203	2 56	519 68	8
7767	Timbermen	2	203	2 56	519 68	8
7767	Trappers	11	203	1 13	229 39	8
7767	Other inside labor	4	203	2 14	434 42	8
7767	Engineers	2	203	2 50	507 50	8
7767	Firemen	2	203	1 98	401 94	8
7767	Weighman	1	203	2 50	507 50	8
7767	Dumpers	8	203	1 94	393 82	8
7767	Trimmers	6	203	1 97	399 91	8
7767	Carpenter	1	203	2 50	507 50	8
7767	Blacksmiths	4	203	2 67	542 01	8
7767	Greasers	2	203	1 23	249 69	8

†2 mines.

TABLE IX12—COAL MINING—JEFFERSON COUNTY.

Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7767	Hostler	1	203	$2 30	$466 90	8
7767	Other outside labor	17	203	2 00	406 00	8
7767½	Machine cutters	10	129	3 74	473 46	8
7767½	Loaders	73	129	2 09	269 61	8
7767½	Track layers	2	129	2 46	317 34	8
7767½	Drivers	9	129	2 46	317 34	8
7767½	Timberman	1	129	2 56	330 24	8
7767½	Trappers	4	129	1 13	145 77	8
7767½	Other inside labor	2	129	2 12	273 48	8
7767½	Engineer	1	129	2 50	322 50	8
7767½	Weighman	1	129	2 00	258 00	8
7767½	Dumper	1	129	2 10	270 90	8
7767½	Trimmer	1	129	1 97	254 13	8
7767½	Blacksmith	1	129	2 80	361 20	8
7767½	Hostler	1	129	2 00	258 00	8
7767½	Other outside lbaor	10	129	2 08	268 32	8
7768	Pick miners	2	250	2 00	500 00	8
7771	Pick miners	10	184	2 50	460 00	8
7771	Machine cutters	18	184	2 75	506 00	8
7771	Loaders	117	184	2 00	368 00	8
7771	Track layers	3	184	2 56	471 04	8
7771	Drivers	10	184	2 56	471 04	8
7771	Timbermen	2	184	2 56	471 04	8
7771	Trappers	7	184	1 13	207 92	8
7771	Other inside labor	6	184	2 20	404 80	8
7771	Engineers	2	184	2 65	487 60	8
7771	Weighman	1	184	2 26	415 84	8
7771	Trimmers	2	184	2 10	368 40	8
7771	Blacksmiths	3	184	2 53	465 52	8
7771	Hostler	1	184	2 00	368 00	10
7772	Pick miners	6	300	2 00	600 00	8
7772	Driver	1	300	2 56	768 00	8
7773	Pick miners	2	215	2 25	483 75	8
7773	Machine cutters	6	215	4 00	860 00	8
7773	Loaders	45	215	3 00	645 00	8
7773	Track layers	2	215	2 56	550 40	8
7773	Drivers	7	215	2 56	550 40	8
7773	Timbermen	2	215	2 56	550 40	8
7773	Trappers	4	215	1 13	242 95	8
7773	Other inside labor	4	215	2 36	507 40	8
7773	Engineer	1	215	2 50	537 50	8
7773	Weighman	1	215	2 00	430 00	8
7773	Trimmers	2	215	2 05	440 75	8
7773	Carpenter	1	215	2 80	602 00	8
7773	Blacksmith	1	215	2 80	602 00	8
7773	Other outside labor	7	215	2 36	507 40	8
7775	Machine cutters	4	210	2 81	588 10	8
7775	Loaders	55	210	2 75	577 50	8
7775	Track layers	2	210	2 28	478 80	8
7775	Drivers	4	210	2 10	441 00	8
7775	Timbermen	2	210	2 28	478 80	8
7775	Pumpers	2	210	2 10	441 00	8
7775	Cager	1	210	2 10	441 00	8
7775	Trappers	2	210	1 00	210 00	8
7775	Other inside labor	2	210	2 10	441 00	8
7775	Engineers	2	210	2 28	478 80	8
7775	Weighmen	1	210	2 28	478 80	8
7775	Trimmer	1	210	2 10	441 00	8
7775	Blacksmiths	2	210	2 28	478 80	8
7775	Greaser	1	210	1 74	365 40	8
7775	Hostler	1	210	1 75	367 50	8
7775	Other outside labor	1	210	1 74	365 40	8
7778	Pick miners	80	141	2 90	408 90	8
7778	Machine cutters	4	141	2 90	408 90	8
7778	Track layers	4	141	2 56	360 96	8
7778	Drivers	13	141	2 56	360 96	8
7778	Pumpers	3	141	2 56	360 96	8

TABLE IX12—COAL MINING—JEFFERSON COUNTY.

Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7778	Trappers	4	141	$1 13	$159 33	8
7778	Other inside labor	37	141	2 42	341 22	8
7778	Engineer	1	141	2 90	408 90	8
7778	Firemen	3	141	2 36	332 76	8
7778	Weighman	1	141	2 36	332 76	8
7778	Dumpers	2	141	2 10	296 10	8
7778	Trimmers	4	141	1 89	266 49	8
7778	Blacksmiths	2	141	2 53	356 73	8
7778	Hostler	1	141	2 10	296 10	8
7778	Other outside labor	11	141	2 03	286 23	8
8181	Pick miners	120	285	2 40	584 00	8
8181	Track layers	2	285	2 56	729 60	8
8181	Drivers	4	285	2 56	729 60	8
8181	Timbermen	2	285	2 56	729 60	8
8181	Pumpers	2	285	2 00	570 00	8
8181	Trappers	13	285	1 13	322 05	8
8181	Other inside labor	12	285	2 36	672 60	8
8181	Engineers	2	285	2 75	508 75	8
8181	Fireman	1	285	2 00	570 00	8
8181	Weighman	1	285	2 36	672 60	8
8181	Trimmers	2	285	1 97	561 45	8
8181	Carpenters	2	285	2 36	672 60	8
8181	Blacksmiths	2	285	2 70	769 50	8
8181	Hostler	1	285	2 00	570 00	8
8184‡	Pick miners	181	114	2 70	307 80	8
8184	Machine cutters	20	114	3 65	416 10	8
8184	Loaders	124	114	2 43	277 02	8
8184	Track layers	11	114	2 45	279 30	8
8184	Drivers	22	114	2 57	292 98	8
8184	Timbermen	11	114	2 56	291 84	8
8184	Trappers	7	114	1 26	143 64	8
8184	Other inside labor	30	114	2 63	300 82	8
8184	Engineers	2	114	3 00	342 00	8
8184	Fireman	1	114	2 00	228 00	8
8184	Weighman	1	114	2 50	285 00	8
8184	Dumpers	14	114	1 87	213 18	8
8184	Trimmers	4	114	1 96	223 44	8
8184	Carpenter	1	114	2 36	269 04	8
8184	Blacksmiths	3	114	2 45	279 30	8
8184	Greaser	1	114	1 33	151 62	8
8184	Hostler	1	114	2 00	228 00	8
8184	Other outside labor	57	114	2 76	314 64	8
8185	Pick miners	31	208	2 80	582 40	8
8185	Machine cutters	12	208	3 46	719 68	8
8185	Loaders	48	208	3 07	638 56	8
8185	Track layers	3	208	2 56	532 48	8
8185	Drivers	12	208	2 56	532 48	8
8185	Timbermen	2	208	2 46	511 68	8
8185	Pumpers	2	208	2 56	532 48	8
8185	Trappers	2	208	1 13	235 04	8
8185	Other inside labor	3	208	2 36	490 88	8
8185	Engineers	2	208	3 83	796 64	8
8185	Weighman	1	208	2 27	472 16	8
8185	Dumper	1	208	2 10	436 80	8
8185	Trimmers	2	208	2 00	416 00	8
8185	Carpenter	1	208	2 50	520 00	8
8185	Blacksmiths	2	208	2 66	553 28	8
8185	Greasers	2	208	1 90	395 20	8
8185	Hostler	1	208	2 18	453 44	8
8185	Other outside labor	16	208	1 75	364 00	8
8186	Track layers	2	240	2 56	614 40	8
8186	Drivers	4	240	2 56	614 40	8
8186	Trapper	1	240	1 13	271 20	8
8186	Other inside labor	2	240	2 36	566 40	8
8186	Weighman	1	240	2 50	600 00	8
8186	Trimmer	1	240	2 36	566 40	8
8186	Blacksmith	1	240	2 56	614 40	8
8186	Hostler	1	240	2 56	614 40	8

‡9 mines.

TABLE IX13—COAL MINING—LAWRENCE COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7779	Pick miners	3	190	$0 78	$148 20	8
7779	Other outside labor	1	190	87	165 30	8
7780*	Pick miners	85	204	2 10	428 40	8
7780	Track layers	2	204	2 16	440 64	8
7780	Drivers	6	204	1 91	389 64	8
7780	Trappers	2	204	85	173 40	8
7780	Other inside labor	4	204	1 91	389 64	8
7780	Weighmen	2	204	1 91	389 64	8
7780	Dumpers	2	204	1 91	389 64	8
7780	Trimmers	2	204	1 91	389 64	8
7780	Blacksmith	1	204	2 10	428 40	8
7780	Hostler	1	204	1 00	204 00	4
7781	Pick miners	10	295	2 25	663 75	8
7782	Pick miners	55	260	2 15	559 00	8
7782	Drivers	5	260	2 31	600 60	8
7782	Other inside labor	12	260	2 06	535 60	8
7782	Weighman	1	260	2 35	591 00	8
7782	Blacksmith	1	260	2 26	587 60	8
7782	Other outside labor	3	260	2 06	535 60	8
7783	Pick miners	2	40	1 00	40 00	8
7784	Pick miners	10	300	2 00	600 00	8
7784	Other inside labor	1	300	2 06	618 00	8
8118	Pick miners	9	280	1 50	420 00	8
8118	Driver	1	280	1 50	420 00	8
8127†	Pick miners	40	275	2 74	753 50	8
8127	Machine cutters	8	275	2 75	756 25	8
8127	Loaders	40	275	2 91	800 25	8
8127	Track layers	2	275	2 91	800 25	8
8127	Drivers	10	275	1 94	533 50	8
8127	Timbermen	2	275	2 00	550 00	8
8127	Pumper	1	275	1 85	508 75	8
8127	Trappers	4	275	94	258 50	8
8127	Other inside labor	13	275	1 94	533 50	8
8127	Engineer	1	275	2 30	632 50	8
8127	Fireman	1	275	2 00	550 00	8
8127	Weighmen	2	275	2 00	550 00	8
8127	Trimmers	3	275	1 94	533 50	8
8127	Carpenters	2	275	2 00	550 00	10
8127	Blacksmiths	2	275	2 25	618 75	8
8127	Hostler	1	257	1 66	456 50	8
8127	Other outside labor	32	275	1 94	533 50	8

*2 mines.
†6 mines.

TABLE IX14—COAL MINING—MAHONING COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7788	Pick miners	52	240	$3 23	$775 20	8
7788	Track layers	3	240	2 56	614 40	8
7788	Drivers	5	240	2 56	614 40	8
7788	Engineer	1	240	2 56	614 40	8
7788	Weighman	1	240	2 56	614 40	8
7788	Dumper	1	240	1 91	458 40	8
7788	Trimmer	1	240	1 91	458 40	8
7788	Blacksmith	1	240	2 56	614 40	8
7789	Pick miners	5	280	2 50	700 00	8
7789	Driver	1	280	2 40	672 00	8
7790	Pick miners	2	300	2 00	600 00	7
7791	Pick miners	7	300	2 56	768 00	8
7791	Track layer	1	300	2 56	768 00	8
7791	Drivers	2	300	2 56	768 00	8
7791	Other inside labor	2	300	2 36	708 00	8
7792	Pick miners	7	250	2 25	562 50	8
7793	Pick miners	5	276	1 52	419 52	8
7793	Driver	1	276	1 50	414 00	8
7794	Pick miners	3	150	2 00	300 00	8
7795	Pick miners	5	260	2 00	520 00	8
7797	Pick miners	37	273	2 75	760 75	8
7797	Track layers	2	273	2 56	698 88	8
7797	Drivers	4	273	2 74	747 32	8
7797	Pumper	1	273	2 00	546 00	8
7797	Cager	1	273	2 36	644 28	8
7797	Engineers	2	273	2 56	698 88	8
7797	Blacksmith	1	273	2 56	698 88	8
7797	Other outside labor	7	273	1 93	528 89	8
7798	Pick miners	4	230	2 25	517 50	8
7798	Driver	1	230	2 56	588 80	8
7799	Pick miners	2	150	2 00	300 00	8
7800	Pick miners	4	200	1 75	350 00	8
8194	Pick miners	5	206	2 50	515 00	8
8194	Driver	1	206	2 56	527 36	8
8194	Engineer	1	206	2 56	527 36	8

TABLE IX15—COAL MINING—MEDINA COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7805	Pick miners	7	272	$2 60	$707 20	8
7805	Driver	1	272	2 56	696 32	8
7805	Other inside labor	1	272	2 56	696 32	8
7805	Engineer	1	272	2 65	720 80	8
7805	Weighman	1	272	2 00	544 00	8
7806	Pick miners	8	297	2 50	742 50	8
7806	Drivers	2	297	2 56	760 32	8
7806	Dumper	1	297	1 90	564 30	8
7807*	Pick miners	180	190	2 45	465 50	8
7807	Track layers	6	190	2 56	486 40	8
7808	Drivers	14	190	2 56	486 40	8
7807	Timbermen	2	190	2 56	486 40	8
7807	Pumpers	2	190	2 00	380 00	8
7807	Cagers	3	190	2 56	486 40	8
7807	Trappers	4	190	1 00	190 00	8
7807	Engineers	7	190	2 50	475 00	8
7807	Firemen	2	190	2 00	380 00	8
7807	Weighmen	4	190	2 00	380 00	8
7807	Dumpers	4	190	1 90	361 00	8
7807	Trimmers	2	190	2 00	380 00	8
7807	Blacksmiths	3	190	2 50	475 00	8
7807	Greasers	2	190	1 25	237 50	8
7807	Other outside labor	2	190	2 50	475 00	8
7809	Pick miners	5	240	1 66	398 40	8
7809	Driver	1	240	2 43	583 20	8
7809	Engineer	1	240	2 43	583 20	8
7810	Pick miners	7	218	2 50	545 00	8
7810	Driver	1	218	2 50	545 00	8
7811	Pick miners	277	260	2 23	579 80	8
7811	Track layers	2	260	2 56	665 60	8
7811	Drivers	4	260	2 56	665 60	8
7811	Trappers	2	260	1 13	293 80	8
7811	Engineers	3	260	2 31	600 60	8
7811	Dumper	1	260	2 00	520 00	8
7811	Trimmer	1	260	2 00	520 00	8
7811	Blacksmith	1	260	2 00	520 00	8

*4 mines.

TABLE IX16—COAL MINING—MEIGS COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7817	Pick miners	118	300	$2 00	$600 00	8
7817	Track layer	1	300	2 00	600 00	8
7817	Drivers	14	300	1 76	528 00	8
7817	Pumper	1	300	1 76	528 00	8
7817	Trappers	3	300	80	240 00	8
7817	Other inside labor	2	300	1 76	528 00	8
7817	Engineer	1	300	2 25	675 00	9
7817	Fireman	1	300	1 50	450 00	9
7817	Weighman	1	300	1 35	405 00	9
7817	Dumpers	2	300	1 35	405 00	8
7817	Carpenter	1	300	2 00	600 00	8
7817	Blacksmith	1	300	2 00	600 00	8
7817	Hostler	1	300	1 50	450 00	8
7817	Other inside labor	17	300	1 35	405 00	8
7818	Pick miners	78	206	2 40	494 40	8
7818	Track layers	2	206	1 88	389 28	8
7818	Drivers	11	206	1 80	370 80	8
7818	Other inside labor	4	206	1 85	381 10	8
7818	Weighman	1	206	1 65	339 90	9
7818	Dumpers	2	206	1 45	298 70	9
7818	Trimmers	2	206	1 25	257 50	9
7818	Carpenter	1	206	2 00	412 00	9
7818	Blacksmith	1	206	2 00	412 00	9
7818	Greaser	1	206	65	133 90	9
7818	Hostler	1	365	1 25	456 25	9
7818	Other outside labor	18	206	1 45	298 70	9
7819	Pick miners	2	200	2 00	400 00	8
7820	Pick miners	6	200	3 00	600 00	8
7820	Driver	1	200	1 75	350 00	8
7820	Other outside labor	2	200	1 50	300 00	9
7821†	Pick miners	8	175	2 00	350 00	9
7821	Driver	1	175	1 25	218 75	9
7821	Other inside labor	1	175	1 00	175 00	9
7823	Pick miners	33	184	1 66	305 44	9
7823	Track layer	1	184	2 25	414 00	9
7823	Track layer	1	184	2 25	414 00	9
7823	Drivers	3	184	1 98	364 32	9
7823	Engineer	1	184	2 33	428 72	9
7823	Dumper	1	184	1 60	294 40	9
7823	Trimmer	1	184	1 70	312 80	9
7823	Blacksmith	1	184	2 25	414 00	10
7824	Pick miners	18	140	1 76	246 40	8
7824	Track layer	1	140	1 76	246 40	8
7824	Drivers	4	140	1 76	246 40	8
7824	Dumper	1	140	1 76	246 40	8
7824	Blacksmith	1	140	1 76	246 40	8
7825	Pick miners	6	150	1 50	225 00	8
7825	Drivers	1	150	1 50	225 00	8
7826	Pick miners	3	156	1 65	257 40	8
8199	Pick miners	80	190	2 50	475 00	8.5
8199	Loaders	5	190	1 87	355 30	8.5
8199	Track layers	3	190	2 12	392 80	8.5
8199	Drivers	12	190	1 87	355 30	8.5
8199	Pumpers	2	190	1 93	366 70	8.5
8199	Cager	1	190	1 95	370 50	8.5
8199	Trappers	2	190	75	142 50	8.5
8199	Engineers	2	190	1 75	332 50	10
8199	Weighman	1	190	1 40	266 00	8.5
8199	Dumpers	4	190	1 50	285 00	8.5
8199	Carpenters	3	190	2 25	427 50	9
8199	Blacksmiths	2	190	2 06	391 40	9
8199	Greaser	1	190	1 40	266 00	8.5
8199	Hostler	1	190	1 05	199 50	12
8199	Other outside labor	12	190	1 35	247 50	9
12202	Pick miners	36	228	3 00	684 00	9
12202	Track layer	1	228	2 00	456 00	9
12202	Drivers	7	228	1 75	399 00	9

†2 mines.

TABLE IX16—COAL MINING—MEIGS COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
12202	Trappers	3	228	$ 75	$171 00	9
12202	Weighman	1	228	2 00	456 00	9
12202	Dumpers	2	228	1 75	399 00	9
12202	Trimmer	1	228	1 75	399 00	9
12202	Carpenter	1	228	1 75	399 00	9
12202	Blacksmith	1	228	2 25	513 00	9
12202	Greaser	1	228	75	171 00	9
12202	Other outside labor	4	228	1 75	399 00	9
12203	Pick miners	35	140	1 76	246 40	8
12203	Drivers	4	140	1 76	246 40	8
12203	Other inside labor	2	140	1 76	246 40	8
12203	Dumpers	2	140	1 76	246 40	8
12203	Blacksmith	1	140	1 50	210 00	8
12204	Pick miners	50	100	1 76	176 00	8
12204	Track layer	1	100	1 76	176 00	8
12204	Drivers	8	100	1 76	176 00	8
12204	Pumper	1	100	1 76	176 00	8
12204	Trappers	2	100	75	75 00	8
12204	Other inside labor	2	100	1 76	176 00	8
12204	Weighman	1	100	2 00	200 00	9
12204	Dumper	1	100	1 40	140 00	9
12204	Trimmer	1	100	1 50	150 00	9
12204	Blacksmith	1	100	2 25	225 00	9
12204	Hostler	1	100	1 10	110 00	9
12204	Other outside labor	1	100	1 65	165 00	9
12207	Pick miners	22	141	3 10	442 10	8
12207	Track layer	1	141	2 00	282 00	8
12207	Drivers	4	141	1 76	248 16	8
12207	Pumper	1	141	1 76	248 16	8
12207	Other inside labor	1	141	1 76	248 16	8
12207	Dumpers	2	141	1 65	232 65	8
12207	Other outside labor	2	141	1 40	197 40	8

TABLE IX17—COAL MINING—MORGAN COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7833	Pick miners	27	162	$3 50	$567 00	8
7833	Track layer	1	162	2 56	454 72	8
7833	Drivers	4	162	2 56	454 72	8
7833	Trappers	2	162	1 13	183 06	8
7833	Other inside labor	1	162	2 36	382 32	8
7833	Weighman	1	162	2 56	454 72	8
7833	Dumper	1	162	2 56	454 72	8
7833	Trimmer	1	162	2 56	454 72	8
7833	Blacksmith	1	162	2 56	454 72	8
12208	Machine cutters	11	166	3 70	614 20	8
12208	Loaders	44	166	3 70	614 20	8
12208	Track layers	2	166	2 66	441 56	8
12208	Drivers	6	166	2 56	424 96	8
12208	Trappers	2	166	1 13	182 58	8
12208	Other inside labor	5	166	2 36	382 32	8
12208	Engineers	2	166	3 40	550 80	8
12208	Fireman	1	166	2 36	382 32	8
12208	Weighman	1	166	2 60	421 20	8
12208	Trimmers	2	166	2 50	405 00	8
12208	Blacksmith	1	166	3 00	486 00	8
12208	Other outside labor	4	166	2 36	382 32	8

TABLE IX18—COAL MINING—MUSKINGUM COUNTY.

Schedule number.	Occupation.	Schedule number.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7836	Pick miners	5	300	$2 00	$600 00	8
7837	Pick miners	6	100	2 36	236 00	8
7839	Pick miners	2	230	2 20	506 00	7
7841	Pick miners	2	200	1 50	300 00	8
7842	Pick miners	2	234	3 34	781 56	8
7843	Pick miners	4	200	1 50	300 00	10
7844	Pick miners	3	84	2 80	235 20	8
7845	Pick miners	10	100	2 08	208 00	8
7845	Driver	1	100	2 56	256 00	8
7845	Dumper	1	100	2 56	256 00	8
7846	Pick miners	14	275	2 50	687 50	8
7846	Drivers	2	275	2 56	704 00	8
7846	Weighman	1	275	2 50	687 50	8
7846	Trimmer	1	275	2 36	649 00	8
7848	Pick miners	34	138	2 86	394 68	8
7848	Track layer	1	138	2 56	353 28	8
7848	Drivers	5	138	2 56	353 28	8
7848	Trapper	1	138	1 13	155 94	8
7848	Other outside labor	2	138	2 25	320 50	8
7849	Pick miners	2	140	1 40	196 00	8
7850	Pick miners	5	75	2 52	189 00	8
7851	Pick miners	2	250	2 50	625 00	8
7852	Pick miners	2	290	2 00	580 00	8
7854	Pick miners	2	200	2 00	400 00	8
7854	Driver	1	200	1 75	350 00	8
7855	Pick miners	3	275	2 75	756 25	8
7856	Pick miners	2	200	2 00	400 00	8
7857	Pick miners	2	240	1 80	432 00	8
7858	Pick miners	7	300	2 25	675 00	8
7858	Driver	1	300	1 90	570 00	8
7859	Pick miners	4	200	2 64	528 00	8
7859	Driver	1	200	1 50	300 00	11
7861	Pick miner	1	200	2 50	500 00	8
7861	Driver	1	200	1 50	300 00	8
7863	Pick miners	2	180	1 80	324 00	8
7864	Pick miners	4	261	1 60	417 60	8
7865	Pick miners	2	280	1 00	280 00	8
7866	Pick miners	4	240	2 50	600 00	8
7866	Driver	1	240	1 75	420 00	8
7867	Pick miners	22	150	2 00	300 00	8
7867	Drivers	5	150	2 56	384 00	8
7867	Weighman	1	150	1 50	225 00	8
7867	Dumper	1	150	1 50	225 00	8
7867	Trimmers	1	150	2 25	337 50	8
7867	Blacksmith	1	150	2 56	384 00	8
7868	Pick miners	5	312	2 00	624 00	8
7868	Driver	1	312	2 00	624 00	8
7868	Dumper	1	312	2 00	624 00	8
7869	Pick miners	2	144	2 00	288 00	8
7870	Pick miners	5	235	1 75	404 25	8
7871	Pick miners	2	250	2 50	625 00	8
7873	Pick miners	3	200	1 50	300 00	8
7874	Pick miners	3	268	1 50	402 00	8
7876	Pick miners	4	250	2 00	500 00	8
7877	Pick miners	6	180	2 25	405 00	8
7877	Driver	1	180	1 25	225 00	8
7878*	Pick miners	115	165	3 00	495 00	8
7878	Track layer	1	165	2 56	422 40	8
7878	Drivers	18	165	2 56	422 40	8
7878	Trappers	6	165	1 13	186 45	8
7878	Other inside labor	10	165	2 56	422 40	8
7878	Weighmen	3	165	2 50	412 50	8
7878	Dumpers	3	165	2 36	389 40	8
7878	Trimmers	3	165	2 36	389 40	8
7878	Blacksmiths	3	165	2 81	463 65	8
7879	Pick miners	28	130	3 00	390 00	8

*3 mines.

TABLE IX18—COAL MINING—MUSKINGUM COUNTY.

Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7879	Track layers	2	130	$2 56	$332 80	8
7879	Drivers	3	130	2 56	332 80	8
7879	Other inside labor	3	130	2 56	332 80	8
7879	Weighman	1	130	2 56	332 80	8
7879	Dumpers	2	130	2 56	332 80	8
7879	Trimmers	2	130	2 56	332 80	8
7879	Hostler	1	130	2 00	260 00	8
7881	Pick miners	6	275	2 25	618 75	8
8153	Pick miners	25	300	2 00	600 00	8
8153	Other inside labor	6	300	1 50	450 00	8
8153	Weighman	1	300	2 00	600 00	8
12210	Pick miners	35	180	2 50	450 00	8
12210	Track layer	1	180	2 35	423 00	8
12210	Drivers	4	180	2 35	423 00	8
12210	Trappers	2	180	1 13	203 40	8
12210	Weighman	1	180	2 25	405 00	8
12210	Dumper	1	180	1 10	198 00	8
12210	Trimmers	2	180	2 25	405 00	8
12210	Blacksmith	1	180	2 28	410 40	8

TABLE IX19—COAL MINING—NOBLE COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7885	Pick miners	2	133	$1 75	$ 99 75	8
7887	Pick miner	1	110	1 40	154 00	7
7888	Pick miner	1	80	1 00	80 00	8
7889	Pick miner	1	313	1 60	500 80	8
7890	Pick miner	1	98	1 50	147 00	8
7891	Pick miners	3	120	2 00	240 00	8
7894	Pick miners	3	200	2 00	400 00	8
7896	Pick miners	2	200	2 00	400 00	8
7897	Pick miner	1	225	1 50	337 50	8
7899	Pick miner	1	120	2 00	240 00	8
7900	Pick miners	3	141	1 50	211 50	8
7901	Pick miners	2	100	2 10	210 00	8
7902	Pick miners	2	80	1 80	144 00	8
7903	Pick miners	10	200	2 00	400 00	8

TABLE IX20—COAL MINING—PERRY COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7543	Pick miners	56	136	$3 90	$530 40	8
7543	Track layers	2	136	2 56	348 16	8
7543	Drivers	6	136	2 56	348 16	8
7543	Timberman	1	136	2 56	348 16	8
7543	Trappers	2	136	1 13	153 68	8
7543	Other inside labor	4	136	2 36	320 96	8
7543	Weighman	1	136	2 36	320 96	8
7543	Dumper	1	136	1 75	238 00	8
7543	Trimmers	2	136	2 07	281 52	8
7543	Carpenter	1	136	2 56	348 16	8
7543	Blacksmith	1	136	2 75	374 00	8
7543	Other outside labor	3	136	1 75	238 00	8
7913	Machine cutters	14	125	3 65	456 25	8
7913	Loaders	130	125	2 50	312 50	8
7913	Track layers	2	125	2 56	320 00	8
7913	Drivers	12	125	2 56	320 00	8
7913	Timbermen	3	125	2 56	320 00	8
7913	Pumpers	2	125	2 00	250 00	8
7913	Cagers	5	125	2 56	320 00	8
7913	Trappers	6	125	1 13	141 25	8
7913	Other inside labor	10	125	2 36	295 00	8
7913	Engineers	3	125	2 81	351 25	8
7913	Firemen	3	125	2 36	295 00	8
7913	Weighman	1	125	2 00	250 00	8
7913	Dumpers	4	125	2 56	320 00	8
7913	Trimmers	5	125	2 36	295 00	8
7913	Carpenter	1	125	2 53	316 25	8
7913	Blacksmiths	3	125	2 81	351 25	8
7913	Greasers	2	125	1 68	209 00	8
7913	Hostler	1	125	1 83	228 75	8
7913	Other outside labor	4	125	2 47	308 75	8
7 913½	Machine cutters	12	122	4 00	488 00	8
7913½	Loaders	85	122	2 50	305 00	8
7913½	Track layers	4	122	2 56	312 32	8
7913½	Drivers	12	122	2 56	312 32	8
7913½	Timbermen	2	122	2 56	312 32	8
7913½	Pumpers	4	122	2 00	244 00	8
7913½	Trappers	4	122	1 13	137 86	8
7913½	Other inside labor	10	122	2 36	287 92	8
7913½	Engineers	3	122	2 81	342 82	8
7913½	Firemen	4	122	2 36	287 92	8
7913½	Weighman	1	122	2 00	244 00	8
7913½	Dumpers	3	122	2 56	312 32	8
7913½	Trimmers	5	122	2 36	287 92	8
7913½	Carpenters	2	122	2 53	308 66	8
7913½	Blacksmith	1	122	2 81	342 82	8
9713½	Greaser	1	122	1 68	204 96	8
7913½	Hostler	1	122	2 00	244 00	8
7913½	Other outside labor	5	122	2 42	295 24	8
7914*	Pick miners	36	158	4 00	632 00	8
7914	Machine cutters	54	158	5 00	790 00	8
7914	Loaders	644	158	3 00	474 00	8
7914	Track layers	12	158	2 56	404 48	8
7914	Drivers	58	158	2 56	404 48	8
7914	Timbermen	2	158	2 56	404 48	8
7914	Pumpers	7	158	2 36	372 88	8
7914	Cagers	14	158	2 56	404 48	8
7914	Trappers	25	158	1 13	178 54	8
7914	Other inside labor	26	158	2 56	404 48	8
7914	Engineers	8	158	2 81	443 98	10
7914	Firemen	7	158	2 36	372 88	10
7914	Weighmen	4	158	2 75	434 50	8
7914	Dumpers	8	158	2 36	372 88	8
7914	Trimmers	23	158	2 36	372 88	8
7914	Carpenters	6	158	2 81	443 98	8
7914	Blacksmiths	13	158	3 00	474 00	8
7914	Greasers	8	158	1 41	222 78	8

*3 mines.

TABLE IX20—COAL MINING—PERRY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7914	Hostlers	4	158	$2 00	$316 00	8
7914	Other outside labor	22	158	2 36	372 88	8
7915	Pick miners	15	190	2 59	492 10	8
7915	Drivers	2	190	2 56	486 40	8
7915	Pumpers	2	190	2 56	486 40	8
7 915	Other outside labor	8	190	2 36	448 40	8
7916	Machine cutters	4	189	2 63	497 07	8
7916	Loaders	74	189	2 87	542 43	8
7916	Track layer	1	189	2 56	483 84	8
7916	Drivers	5	189	2 56	483 84	8
7916	Trappers	3	189	1 03	194 67	8
7916	Engineer	1	189	2 81	531 09	8
7916	Weighman	1	189	2 36	446 04	8
7916	Dumper	1	189	2 36	446 04	8
7916	Trimmers	3	189	2 36	446 04	8
7916	Carpenter	1	189	2 53	478 17	8
7916	Blacksmith	1	189	3 00	567 00	8
7916	Other outside labor	4	189	2 36	446 04	8
7917	Machine cutters	6	131	4 00	524 00	8
7917	Loaders	80	131	2 50	327 50	8
7917	Track layers	2	131	2 56	335 36	8
7917	Drivers	7	131	2 56	335 36	8
7917	Timbermen	4	131	2 56	335 36	8
7917	Pumpers	2	131	2 00	262 00	8
7917	Trappers	4	131	1 13	148 03	8
7917	Other inside labor	3	131	2 36	309 16	8
7917	Engineers	2	131	2 81	368 11	8
7917	Firemen	2	131	2 36	309 16	8
7917	Weighman	1	131	2 00	262 00	8
7917	Dumpers	2	131	2 36	309 16	8
7917	Trimmers	3	131	2 26	296 06	8
7917	Carpenter	1	131	2 53	331 43	8
7917	Blacksmith	1	131	2 81	368 11	8
7917	Greaser	1	131	1 68	220 08	8
7917	Hostler	1	131	2 00	262 00	8
7918†	Pick miners	23	200	2 50	500 00	8
7918	Machine cutters	28	200	3 00	600 00	8
7918	Loaders	160	200	2 00	400 00	8
7918	Track layers	5	200	2 56	512 00	8
7918	Drivers	15	200	2 56	512 00	8
7918	Pumpers	2	200	2 56	512 00	8
7918	Trappers	9	200	1 13	226 00	8
7918	Other inside labor	3	200	2 08	416 00	8
7918	Engineers	4	200	2 70	540 00	10
7918	Weighmen	4	200	2 75	550 00	8
7918	Dumpers	4	200	2 26	452 00	8
7918	Trimmers	6	200	2 36	472 00	8
7918	Blacksmiths	7	200	2 70	540 00	8
7918	Other outside labor	4	200	3 09	618 00	8
7920	Pick miners	7	232	4 95	1,148 40	8
7920	Driver	1	232	2 62	607 84	8
7921	Pick miners	2	160	1 75	280 00	9
7922	Pick miner	1	150	1 33	199 50	6
7923	Pick miner	1	120	1 25	150 00	8
7924	Pick miners	2	120	2 00	240 00	8
7925	Pick miners	2	100	1 50	150 00	8
7926	Pick miners	20	100	3 48	348 00	8
7926	Drivers	3	100	2 56	256 00	8
7926	Trimmer	1	100	2 56	256 00	8
7927½	Machine cutters	14	197	4 07	801 79	8
7927½	Loaders	74	197	2 90	571 30	8
7927½	Track layers	3	197	2 56	504 32	8
7927½	Drivers	9	197	2 56	504 32	8
7927½	Pumper	1	197	2 36	464 92	8
7927½	Trappers	7	197	1 13	222 61	8
7927½	Other inside labor	10	197	2 43	478 71	8

†4 mines.

TABLE IX20—COAL MINING—PERRY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7927½	Engineers	2	197	$2 46	$484 62	8
7927½	Weighman	1	197	1 87	368 39	8
7927½	Trimmers	3	197	2 36	464 92	8
7927½	Blacksmiths	2	197	2 70	531 90	8
7927½	Hostler	1	197	1 16	228 52	8
7927½	Other outside labor	6	197	2 36	464 92	8
7928	Pick miners	4	310	1 50	465 00	8
7928	Drivers	2	310	1 50	465 00	8
7930	Pick miners	5	212	2 75	583 00	8
7930	Driver	1	212	2 75	583 00	8
7932	Pick miners	15	108	3 02	326 16	8
7932	Machine cutters	15	108	5 39	582 12	8
7932	Loaders	133	108	3 03	327 24	8
7932	Track layers	4	108	2 56	276 48	8
7932	Drivers	16	108	2 56	276 48	8
7932	Pumpers	6	108	2 02	218 16	8
7932	Trappers	6	108	1 13	122 04	8
7932	Other inside labor	10	108	2 36	254 88	8
7932	Engineers	3	108	3 09	333 72	8
7932	Firemen	3	108	2 36	254 88	8
7932	Weighman	1	108	2 25	243 00	8
7932	Dumpers	3	108	2 36	254 88	8
7932	Trimmers	6	108	2 36	254 88	8
7932	Carpenters	2	108	3 09	333 72	8
7932	Blacksmiths	2	108	3 09	333 72	8
7932	Greasers	7	108	1 68	181 44	8
7932	Hostlers	2	108	1 96	211 68	8
7932	Other outside labor	2	108	2 02	218 16	8
7933	Pick miners	35	143	3 50	500 50	8
7933	Machine cutters	30	143	4 25	607 75	8
7933	Loaders	294	143	3 00	429 00	8
7933	Track layers	6	143	2 56	366 08	8
7933	Drivers	29	143	2 56	366 08	8
7933	Timbermen	2	143	2 56	366 08	8
7933	Pumpers	4	143	2 36	337 48	8
7933	Cagers	7	143	2 56	366 08	8
7933	Trappers	13	143	1 13	161 59	8
7933	Other inside labor	12	143	2 56	366 08	8
7933	Engineers	3	143	2 81	401 83	10
7933	Firemen	3	143	2 36	337 48	10
7933	Weighmen	2	143	2 75	393 25	8
7933	Dumpers	4	143	2 36	337 48	8
7933	Trimmers	12	143	2 36	337 48	8
7933	Carpenters	3	143	2 81	401 83	8
7933	Blacksmiths	6	143	3 00	429 00	8
7933	Greasers	4	143	1 41	201 63	8
7933	Hostlers	2	143	2 00	286 00	8
7933	Other outside labor	10	143	2 36	337 48	8
7935†	Machine cutters	18	92	4 50	414 00	8
7935	Loaders	105	92	3 50	322 00	8
7935	Track layers	3	92	2 56	235 62	8
7935	Drivers	14	92	2 56	235 62	8
7935	Cager	1	92	2 56	235 62	8
7935	Trappers	9	92	1 13	103 96	8
7935	Other inside labor	6	92	2 56	235 62	8
7935	Engineers	4	92	2 35	216 20	8
7935	Firemen	3	92	2 36	217 12	8
7935	Weighmen	2	92	2 56	235 62	8
7935	Dumpers	4	92	2 56	235 62	8
7935	Trimmers	5	92	2 36	217 12	8
7935	Carpenter	1	92	2 25	207 00	8
7935	Blacksmiths	3	92	2 75	253 00	8
7935	Greasers	2	92	1 25	115 00	8
7935	Hostlers	2	92	2 00	184 00	8
7935	Other outside labor	10	92	2 36	217 12	8
7936	Track layer	1	275	2 00	550 00	8

† 2 mines

TABLE IX20—COAL MINING—PERRY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average hours of daily 1903.	Average hours of daily labor.
7936	Timberman	1	275	$2 00	$550 00	8
7937	Pick miners	22	165	2 00	330 00	8
7937	Track layer	1	165	2 45	404 25	8
7937	Drivers	4	165	1 35	222 75	8
7937	Trapper	1	165	59	97 35	8
7937	Weighman	1	165	1 58	260 70	8
7937	Trimmer	1	165	77	127 05	8
7938	Machine cutters	20	200	3 50	700 00	8
7938	Loaders	175	200	4 00	800 00	8
7938	Track layers	3	200	2 56	512 00	8
7938	Drivers	10	200	2 56	512 00	8
7938	Timbermen	4	200	2 56	512 00	8
7938	Pumper	1	200	2 36	472 00	8
7938	Trappers	5	200	1 13	226 00	8
7938	Other inside labor	7	200	2 36	472 00	8
7938	Engineers	2	200	2 25	450 00	8
7938	Weighman	1	200	1 83	366 00	8
7938	Dumpers	2	200	2 36	472 00	8
7938	Trimmers	4	200	2 36	472 00	8
7938	Carpenter	1	200	2 00	400 00	8
7938	Blacksmiths	3	200	3 50	700 00	8
7938	Hostler	1	200	1 66	332 00	8
7 938	Other outside labor	12	200	2 36	472 00	8
7939	Machine cutters	10	50	3 60	180 00	8
7939½	Loaders	58	50	2 50	125 00	8
7939½	Track layers	2	50	2 56	128 00	8
7939½	Drivers	6	50	2 56	128 00	8
7739½	Timberman	1	50	2 00	100 00	8
7939½	Cagers	3	50	1 13	56 50	8
7939½	Trappers	3	50	2 36	118 00	8
7939½	Other inside labor	3	50	2 81	140 50	8
7939½	Engineer	1	50	2 36	118 00	8
7939½	Fireman	1	50	2 00	100 00	8
7939½	Weighmen	2	50	2 36	118 00	8
7939½	Dumpers	2	50	2 36	118 00	8
7939½	Carpenters	2	50	2 81	140 50	8
7939½	Blacksmith	1	50	1 68	84 00	8
7939½	Greaser	1	50	2 00	100 00	8
7940	Pick miners	114	180	3 00	540 00	8
7940	Track layers	2	180	2 75	495 00	8
7940	Drivers	10	180	2 56	460 80	8
7940	Timbermen	4	180	2 56	460 80	8
7940	Pumpers	3	180	2 25	405 00	8
7940	Trappers	6	180	1 13	203 40	8
7940	Engineer	1	180	3 04	547 20	10
7940	Fireman	1	180	2 36	424 80	8
7940	Weighman	1	180	2 53	455 40	8
7940	Dumper	1	180	2 36	424 80	8
7940	Trimmers	4	180	2 36	424 80	8
7940	Carpenter	1	180	2 36	424 80	8
7940	Blacksmith	1	180	2 75	495 00	8
7940	Greaser	1	180	1 75	315 00	8
7940	Hostler	1	180	1 50	270 00	10
7940	Other outside labor	2	180	2 36	424 80	8
7940½	Machine cutters	10	53	3 50	185 50	8
7940½	Loaders	48	53	2 50	132 50	8
7940½	Track layers	2	53	2 56	135 68	8
7940½	Drivers	8	53	2 56	135 68	8
7940½	Timbermen	2	53	2 56	135 68	8
7940½	Pumper	1	53	2 00	106 00	8
7940½	Cagers	2	53	2 56	135 68	8
7940½	Trappers	3	53	1 13	59 89	8
7940½	Other inside labor	3	53	2 36	125 08	8
7940½	Engineers	2	53	2 81	148 93	8
7940½	Firemen	2	53	2 36	125 08	8
7940½	Weighman	1	53	2 00	106 00	8
7940½	Dumper	1	53	2 00	106 00	8
7940½	Trimmers	2	53	2 36	125 08	8

TABLE IX20—COAL MINING—PERRY COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7940½	Blacksmith	1	53	$2 81	$148 93	8
7940½	Greaser	1	53	1 68	89 04	8
7940½	Hostler	1	53	2 00	106 00	8
7941	Pick miners	70	150	2 80	420 00	8
7941	Track layers	2	150	2 56	384 00	8
7941	Drivers	8	150	2 56	384 00	8
7941	Pumpers	1	150	2 36	354 00	8
9741	Trapper	1	150	1 13	169 50	8
7941	Engineers	2	150	2 75	412 50	8
7941	Fireman	1	150	2 36	354 00	8
7941	Weighman	1	150	2 50	375 00	8
7941	Dumper	1	150	2 36	354 00	8
7941	Trimmers	3	150	2 36	354 00	8
7941	Blacksmiths	2	150	2 81	421 50	8
7941	Hostler	1	150	2 25	337 50	8
7941	Other outside labor	3	150	2 36	354 00	8
7941½	Machine cutters	8	182	4 85	882 70	8
7941½	Loaders	70	182	3 49	635 18	8
7941½	Track layer	1	182	2 56	465 92	8
7941½	Drivers	6	182	2 56	465 92	8
7941½	Timberman	1	182	2 56	465 92	8
7941½	Trapper	1	182	1 13	205 66	8
7941½	Other inside labor	3	182	2 57	467 74	8
7941½	Engineer	1	182	3 00	546 00	8
7941½	Fireman	1	182	2 36	429 52	8
7941½	Weighman	1	182	2 25	409 50	8
7941½	Dumper	1	182	2 36	429 52	8
7941½	Trimmers	2	182	2 36	429 52	8
7941½	Blacksmith	1	182	2 80	509 60	8
7941½	Greaser	1	182	1 41	256 62	8
7941½	Other outside labor	2	182	2 50	455 00	8
7942	Pick miners	23	140	2 20	308 00	8
7942	Track layer	1	140	2 56	358 40	8
7942	Drivers	3	140	2 56	358 40	8
7942	Trapper	1	140	1 00	140 00	8
7942	Dumper	1	140	2 36	330 40	8
7942	Trimmer	1	140	2 36	330 40	8
7942½	Machine cutters	8	157	4 00	628 00	8
7942½	Loaders	60	157	2 50	392 50	8
7942½	Track layers	2	157	2 56	401 92	8
7942½	Drivers	9	157	2 56	401 92	8
7942½	Timbermen	4	157	2 56	401 92	8
7942½	Pumpers	2	157	2 00	314 00	8
7942½	Trappers	4	157	1 13	177 41	8
7942½	Other inside labor	4	157	2 36	370 52	8
7942½	Engineers	2	157	2 81	441 17	8
7942½	Firemen	3	157	2 36	370 52	8
7942½	Weighman	1	157	2 00	314 00	8
7942½	Dumpers	2	157	2 36	370 52	8
7942½	Trimmers	3	157	2 36	370 52	8
7942½	Carpenter	1	157	2 53	397 21	8
7942½	Blacksmith	1	157	2 81	441 17	8
7942½	Greaser	1	157	1 68	263 76	8
7942½	Hostler	1	157	2 00	314 00	8
7943	Machine cutters	3	150	3 00	450 00	8
7943	Loaders	60	150	2 50	375 00	8
7943	Track layer	1	150	2 56	384 00	8
7943	Drivers	8	150	2 56	384 00	8
7943	Cager	1	150	2 56	384 00	8
7943	Trappers	3	150	1 13	169 50	8
7943	Other inside labor	3	150	2 56	384 00	8
7943	Engineer	1	150	2 75	412 50	8
7943	Fireman	1	150	2 36	354 00	8
7943	Weighman	1	150	2 50	375 00	8
7943	Dumper	1	150	2 36	354 00	8
7943	Trimmers	3	150	2 36	354 00	8
7943	Blacksmith	1	150	2 81	421 50	8
7943	Hostler	1	150	2 25	337 50	8

TABLE IX20—COAL MINING—PERRY COUNTY—Continued.

Schedule number.	Occupation.	Schedule number.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7943½	Machine cutters	16	185	$4 70	$869 50	8
7943½	Loaders	160	185	2 60	481 00	8
7943½	Track layers	4	185	2 56	473 60	8
7943½	Drivers	12	185	2 56	473 60	8
7943½	Timbermen	4	185	2 56	473 60	8
7943½	Pumpers	2	185	1 97	364 45	8
7943½	Cagers	3	185	2 56	473 60	8
7943½	Trappers	6	185	1 13	209 05	8
7943½	Other inside labor	5	185	2 36	436 60	8
7943½	Engineers	2	185	2 81	519 85	8
7943½	Firemen	3	185	2 36	436 60	8
7943½	Weighman	1	185	2 00	370 00	8
7943½	Dumpers	3	185	2 36	436 60	8
7943½	Trimmers	6	185	2 36	436 60	8
7943½	Carpenters	2	185	2 53	468 05	8
7943½	Blacksmiths	2	185	2 81	519 85	8
7943½	Greasers	2	185	1 68	310 80	8
7943½	Hostler	1	185	2 00	370 00	8
7943½	Other outside labor	3	185	2 46	455 10	8
7944	Pick miners	30	121	5 00	605 00	8
7944	Machine cutters	4	121	5 00	605 00	8
7944	Loaders	30	121	5 00	605 00	8
7944	Track layer	1	122	2 56	309 76	8
7944	Drivers	4	121	2 56	309 76	8
7944	Pumper	1	121	2 56	309 76	8
7944	Trappers	2	121	1 13	136 73	8
7944	Other inside labor	2	121	2 36	285 56	8
7944	Engineers	2	121	2 56	309 76	8
7944	Fireman	1	121	2 36	285 56	8
7944	Weighman	1	121	2 56	309 76	8
7944	Dumper	1	121	2 56	309 76	8
7944	Trimmers	3	121	2 56	309 76	8
7944	Carpenter	1	121	2 56	309 76	8
7944	Blacksmith	1	121	2 81	340 01	8
7944	Greaser	1	121	1 41	170 61	8
7944	Hostler	1	121	2 00	242 00	8
7944	Other outside labor	3	121	2 36	285 56	8
7946	Pick miners	18	125	3 20	400 00	8
7946	Drivers	3	125	2 56	320 00	8
7946	Weighman	1	125	2 56	320 00	8
7946	Dumper	1	125	2 36	295 00	8
7946	Trimmer	1	125	2 36	295 00	8
7946	Hostler	1	125	2 00	250 00	8
7948	Pick miners	6	150	2 14	321 00	8
7948	Drivers	1	150	2 14	321 00	8
12216	Pick miners	48	205	3 00	615 00	8
12216	Track layer	1	205	2 56	524 80	8
12216	Drivers	4	205	2 56	524 80	8
12216	Other inside labor	5	205	2 56	524 80	8
12216	Weighman	1	205	2 56	524 80	8
12216	Dumpers	2	205	2 56	524 80	8
12216	Trimmers	2	205	2 56	524 80	8
12216	Hostler	1	205	2 56	524 80	8
12217	Pick miners	23	140	2 20	308 00	8
12217	Track layer	1	140	2 56	358 40	8
12217	Drivers	3	140	2 56	358 40	8
12217	Trapper	1	140	1 00	140 00	8
12217	Dumper	1	140	2 36	330 40	8
12217	Trimmer	1	140	2 36	330 40	8
12218	Pick miners	22	156	4 65	724 40	8
12218	Drivers	2	156	2 75	429 00	8
12218	Trimmer	1	156	2 75	429 00	8
12219	Machine cutters	6	200	3 25	650 00	8
12219	Loaders	30	200	2 25	450 00	8
12219	Track layer	1	200	2 56	512 00	8
12219	Drivers	4	200	2 56	512 00	8
12219	Engineer	1	200	2 80	560 00	8
12219	Weighman	1	200	2 20	440 00	8

TABLE IX20—COAL MINING—PERRY COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
12219	Dumper	1	200	$2 36	$472 00	8
12219	Trimmer	1	200	2 36	472 00	8
12219	Blacksmith	1	200	3 00	600 00	8
12220‡	Machine cutters	20	341	3 00	1,023 00	8
12220	Loaders	145	341	2 25	767 25	8
12220	Track layers	4	341	2 42	825 22	8
12220	Drivers	3	341	2 50	852 50	8
12220	Timbermen	10	341	2 36	804 76	8
12220	Pumpers	3	341	2 28	777 48	8
12220	Cagers	4	341	2 50	852 50	8
12220	Trappers	3	341	1 10	375 10	8
12220	Other inside labor	32	341	2 00	682 00	8
12220	Engineers	4	341	2 35	801 35	8
12220	Firemen	4	341	2 30	784 30	8
12220	Weighman	1	341	1 90	647 90	8
12220	Dumpers	2	341	2 00	682 00	8
12220	Trimmers	3	341	2 05	699 05	8
12220	Carpenters	8	341	2 40	818 40	8
12220	Blacksmiths	4	341	2 56	872 96	8
12220	Other outside labor	14	341	1 80	613 80	8
12221	Pick miners	5	170	2 92	496 40	8
12221	Machine cutters	6	170	4 26	724 20	8
12221	Loaders	40	170	3 06	320 20	8
12221	Track layers	2	170	2 46	418 20	8
12221	Drivers	4	170	2 44	414 80	8
12221	Timbermen	2	170	2 42	411 40	8
12221	Pumpers	2	170	2 29	389 30	8
12221	Cager	1	170	2 44	414 80	8
12221	Trappers	2	170	1 09	185 30	8
12221	Other inside labor	12	170	2 52	428 40	8
12221	Engineers	3	170	2 44	414 80	12
12221	Firemen	2	170	2 19	372 30	12
12221	Weighman	1	170	1 77	300 90	8
12221	Dumper	1	170	2 29	389 30	8
12221	Trimmers	1	170	2 29	389 30	8
12221	Blacksmiths	2	170	2 86	486 20	8
12221	Hostler	1	170	1 33	226 10	8
12221	Other outside labor	2	170	2 29	389 30	8

‡2 mines

TABLE IX21—COAL MINING—PORTAGE COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7953*	Pick miners	120	185	$2 00	$370 00	8
7953	Track layers	10	185	2 50	462 50	8
7953	Drivers	10	185	2 56	473 60	8
7953	Cagers	3	185	1 75	323 75	8
7953	Trappers	2	185	1 50	277 50	8
7953	Other inside labor	3	185	1 50	277 50	8
7953	Engineers	5	185	2 55	471 75	8
7953	Firemen	2	185	2 40	444 00	8
7953	Weighman	2	185	2 50	462 50	8
7953	Dumpers	3	185	2 40	444 00	8
7953	Trimmers	2	185	2 40	444 00	8
7953	Carpenters	2	185	2 70	499 50	8
7953	Blacksmiths	3	185	2 90	536 50	8
7953	Other outside labor	5	185	1 75	323 75	8

*2 mines.

TABLE IX22—COAL MINING—SCIOTO COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily 1903.
7956*	Pick miners	16	186	$2 57	$478 02	8
7956	Track layer	1	186	2 31	429 66	8
7956	Drivers	3	186	2 06	383 16	8
7956	Other inside labor	6	186	2 06	383 16	8
7956	Weighman	1	186	2 06	383 16	8
7956	Dumpers	2	186	2 06	383 16	8
7956	Trimmer	1	186	2 06	383 16	8
7956	Blacksmith	1	186	2 06	383 16	8
7956	Other outside labor	2	186	2 06	383 16	8
7957	Pick miners	2	120	1 10	152 10	9

*2 mines.

TABLE IX23—COAL MINING—STARK COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7962	Pick miners	36	363	$2 38	$863 94	8
7962	Track layer	1	363	2 75	998 25	8
7962	Drivers	6	363	2 36	856 68	8
7962	Timberman	1	363	2 36	856 68	8
7962	Pumper	1	363	2 25	816 75	8
7962	Trappers	2	363	1 05	381 15	8
7962	Other inside labor	4	363	2 10	762 30	8
7962	Engineer	1	363	2 56	929 28	8
7962	Weighman	1	363	2 40	871 20	8
7962	Dumper	1	363	1 90	689 70	8
7962	Trimmers	3	363	1 60	580 80	8
7962	Blacksmith	1	363	2 50	907 50	8
7962	Other outside labor	2	363	2 10	762 30	8
7964*	Pick miners	25	197	2 40	472 80	8
7964	Track layer	1	197	2 56	504 32	8
7964	Drivers	2	197	2 56	504 32	8
7964	Pumper	1	197	2 56	504 32	8
7964	Cager	1	197	2 56	504 32	8
7964	Engineer	1	197	2 50	492 50	8
7964	Fireman	1	197	2 00	394 00	8
7964	Weighman	1	197	2 50	492 50	8
7964	Dumper	1	197	2 00	394 00	8
7964	Blacksmith	1	197	2 50	492 50	8
7965	Pick miners	104	113	3 34	377 42	8
7965	Machine cutters	9	113	3 35	378 58	8
7965	Loaders	15	113	3 40	384 20	8
7965	Track layers	2	113	2 56	289 28	8
7965	Drivers	5	113	2 56	289 28	8
7965	Pumper	1	113	1 75	197 75	8
7965	Cager	2	113	2 56	289 28	8
7965	Engineers	3	113	2 32	262 16	8
7965	Fireman	1	113	2 00	226 00	8
7965	Weighman	1	113	2 50	282 50	8
7965	Dumper	1	113	2 00	226 00	3
7965	Trimmers	2	113	1 95	220 35	8
7965	Blacksmith	1	113	2 82	318 66	8
7965	Greaser	1	113	1 82	205 66	8
7965	Hostler	1	113	2 00	226 00	8
7965	Other outside labor	2	113	1 82	205 66	8
7967	Pick miners	2	300	2 00	600 00	8
7968	Pick miners	10	250	2 50	625 00	8
7968	Driver	1	250	2 10	525 00	8
7969	Pick miners	4	305	2 00	610 00	8
7970	Pick miners	2	300	1 60	480 00	8
7971	Pick miners	10	330	2 00	660 00	8
7971	Engineer	1	330	1 50	495 00	12
7972	Pick miners	2	300	2 00	600 00	8
7973	Pick miners	8	200	2 00	400 00	8
7975	Pick miners	5	164	2 00	328 00	8
7976	Pick miners	4	170	1 95	331 50	8
7978	Pick miners	3	150	1 80	270 00	8
7979	Pick miner	1	90	1 50	135 00	8
7980	Pick miners	3	160	2 00	320 00	8
7981	Pick miners	2	135	2 00	270 00	8
7982	Pick miners	33	140	3 84	537 60	8
7982	Track layer	1	140	2 56	358 40	8
7982	Drivers	4	140	2 56	358 40	8
7982	Pumpers	2	140	2 36	330 40	8
7982	Trappers	3	140	1 13	158 20	8
7982	Other inside labor	2	140	2 36	330 40	8
7982	Engineers	3	140	2 32	324 80	8
7982	Dumpers	2	140	2 00	280 00	8
7982	Trimmer	1	140	2 00	280 00	8
7982	Carpenter	1	140	2 50	350 00	8
7982	Blacksmith	1	140	2 53	354 20	8
7982	Other outside labor	3	140	1 82	254 80	8

*2 mines.

TABLE IX23—COAL MINING—STARK COUNTY—Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7983†	Pick miners	850	190	$3 00	$ 570 00	8
7983	Machine cutters	10	190	3 00	570 00	8
7983	Loaders	100	190	3 00	570 00	8
7983	Tracd layers	30	190	2 56	486 40	8
7983	Drivers	80	190	2 56	486 40	8
7983	Pumpers	30	190	2 36	448 40	8
7983	Cagers	15	190	2 36	448 40	8
7983	Trappers	40	190	1 13	214 70	8
7983	Other inside labor	32	190	2 36	448 40	8
7983	Engineers	40	190	2 32	440 80	8
7983	Firemen	15	190	2 00	380 00	8
7983	Weighmen	15	190	2 00	380 00	8
7983	Dumpers	20	190	2 00	380 00	8
7983	Trimmers	40	190	1 90	361 00	8
7983	Carpenters	2	190	2 25	427 50	8
7983	Blacksmiths	15	190	2 53	480 70	8
7983	Greasers	10	190	2 00	380 00	8
7984	Pick miners	35	171	3 03	518 13	8
7984	Track layer	1	171	2 56	437 76	8
7984	Drivers	4	171	2 56	437 76	8
7984	Pumpers	2	171	2 56	437 76	8
7984	Cager	1	171	2 56	437 76	8
7984	Trappers	3	171	1 13	193 23	8
7984	Engineers	3	171	2 30	393 30	8
7984	Fireman	1	171	2 00	342 00	8
7984	Weighman	1	171	2 00	342 00	8
7984	Dumper	1	171	2 00	342 00	8
7984	Trimmer	1	171	2 00	342 00	8
7984	Blacksmith	1	171	2 80	478 80	8
7984	Other outside labor	1	171	2 00	342 00	8
7986	Pick miners	32	220	2 50	550 00	8
7986	Other inside labor	7	220	2 46	541 20	8
7987	Driver	1	240	2 00	480 00	7
7987	Weighman	1	240	1 00	240 00	7
7988	Pick miners	3	320	2 00	640 00	8
7989	Pick miner	1	200	2 50	500 00	8
7990	Pick miner	1	60	2 00	120 00	8
7991	Pick miners	3	195	2 00	390 00	8
7992	Pick miners	2	150	1 75	262 50	6
7993	Pick miners	51	142	2 50	355 00	8
7993	Track layer	1	142	2 56	363 52	8
7993	Drivers	4	142	2 56	363 52	8
7993	Cager	1	142	2 56	363 52	8
7993	Trappers	3	142	1 13	160 46	8
7993	Engineers	3	142	2 55	362 10	8
7993	Fireman	1	142	2 00	284 00	8
7993	Weighman	1	142	2 00	284 00	9
7993	Dumper	1	142	2 00	284 00	8
7993	Trimmers	2	142	2 00	284 00	8
7993	Blacksmith	1	142	2 81	399 02	8
7994	Pick miners	35	52	2 50	130 00	8
7994	Track layer	1	52	2 56	133 12	8
7994	Driver	1	52	2 56	133 12	8
7994	Cager	1	52	2 56	133 12	8
7994	Trapper	1	52	1 13	58 76	8
7994	Engineers	3	52	2 55	132 60	8
7994	Weighman	1	52	2 00	104 00	9
7994	Dumper	1	52	2 00	104 00	8
7994	Trimmer	1	52	2 00	104 00	8
7994	Blacksmith	1	52	2 81	146 12	8
7995	Pick miners	12	167	2 50	417 50	8
7995	Track layer	1	167	2 56	427 52	8
7995	Driver	1	167	2 56	427 52	8
7995	Other inside labor	7	167	2 36	394 12	8
7995	Engineers	3	167	2 55	425 85	8
7995	Weighman	1	167	2 00	334 00	9

†14 mines.

TABLE IX23—COAL MINING—STARK COUNTY—Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
7995	Dumper	1	167	$2 00	$334 00	8
7995	Trimmer	1	167	2 00	334 00	8
7995	Blacksmith	1	167	2 81	469 27	8
7995	Hostler	1	167	29	48 43	
7996	Pick miners	25	210	2 50	525 00	8
7996	Track layer	1	210	2 56	537 60	8
7996	Pumper	1	210	2 56	537 60	8
7996	Other inside labor	2	210	2 36	495 60	8
7996	Engineers	3	210	2 55	535 50	8
7996	Fireman	1	210	2 00	420 00	8
7996	Weighman	1	210	2 00	420 00	9
7996	Dumper	1	210	2 00	420 00	8
7996	Trimmer	1	210	2 00	420 00	8
7996½	Pick miners	31	61	2 50	152 50	8
7996½	Track layer	1	61	2 56	156 16	8
7996½	Pumper	1	61	2 56	156 16	8
7996½	Trapper	1	61	1 13	68 93	8
7996½	Other inside labor	1	61	2 36	143 96	8
7996½	Engineers	3	61	2 55	155 55	8
7996½	Fireman	1	61	2 00	122 00	8
7996½	Weighman	1	61	2 00	122 00	9
7996½	Dumper	1	61	2 00	122 00	8
7996½	Trimmer	1	61	2 00	122 00	8
7996½	Blacksmith	1	61	2 81	171 41	8
12226	Pick miners	12	300	2 00	600 00	8
12226	Driver	1	300	2 56	768 00	8
12226	Other inside labor	2	300	2 07	621 00	8
12226	Engineer	1	300	2 25	675 00	8
12227	Pick miners	15	250	2 00	500 00	9
12227	Drivers	2	250	2 00	500 00	9
12227	Weighman	1	250	2 50	625 00	9
12227	Trimmer	1	250	2 00	500 00	9
12228	Pick miners	8	250	2 40	600 00	8
12228	Driver	1	250	2 56	640 00	8
12228	Engineer	1	250	2 56	640 00	8
12228	Dumper	1	250	2 56	640 00	8
12236	Pick miners	7	211	2 78	586 58	8
12236	Driver	1	211	2 60	548 60	8
12236	Other inside labor	1	211	2 36	497 96	8
12236	Weighman	1	211	2 10	443 10	8
12238	Pick miners	8	184	2 75	506 00	7
12238	Loaders	3	184	2 00	368 00	7
12238	Driver	1	184	2 00	368 00	7

TABLE IX24—COAL MINING—SUMMIT COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily abor.
7997	Pick miners	5	135	$1 80	$243 00	8
7997	Driver	1	135	2 12	286 20	8
7997	Engineer	1	135	2 00	270 00	8
7998	Pick miners	7	158	2 40	379 20	8
7998	Driver	1	158	2 36	372 88	8
7999	Pick miners	9	204	2 00	408 00	8
7999	Track layer	1	204	2 56	522 24	8
7999	Drivers	2	204	2 56	522 24	8
7999	Engineer	1	204	2 56	522 24	8
7999	Weighman	1	204	2 56	522 24	10
8000	Pick miners	5	160	2 00	320 00	8
8002	Pick miners	5	200	2 35	470 00	8
8002	Track layer	1	200	2 00	400 00	8
8002	Driver	1	200	2 00	400 00	8

TABLE IX25—COAL MINING—TRUMBULL COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8009	Pick miners	20	233	$2 50	$582 50	8
8009	Track layer	1	233	2 50	582 50	8
8009	Driver	1	233	2 56	596 48	8
8009	Engineer	1	233	2 25	524 25	8
8009	Weighman	1	233	2 00	466 00	8
8010	Pick miners	2	75	1 75	131 25	8
8011	Pick miners	2	175	2 50	437 50	8

TABLE IX26—COAL MINING—TUSCARAWAS COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8015	Machine cutters	6	210	$3 15	$661 50	8
8015	Loaders	30	210	3 00	630 00	8
8015	Track layer	1	210	2 56	537 60	8
8015	Drivers	4	210	2 56	357 60	8
8015	Timberman	1	210	2 56	537 60	8
8015	Trapper	1	210	1 13	237 30	8
8015	Other inside labor	6	210	3 15	661 50	8
8015	Engineer	1	210	2 50	525 00	8
8015	Fireman	1	210	2 00	420 00	8
8015	Weighman	1	210	2 50	525 00	8
8015	Dumper	1	210	2 00	420 00	8
8015	Trimmers	2	210	2 00	420 00	8
8015	Blacksmith	1	210	2 70	567 00	8
8015	Greaser	1	210	1 13	237 30	8
8016*	Pick miners	165	108	2 51	271 08	8
8016	Track layers	5	108	2 56	276 48	8
8016	Drivers	12	108	2 56	276 48	8
8016	Timbermen	4	108	2 56	276 48	8
8016	Pumpers	4	108	2 56	276 48	8
8016	Trappers	5	108	1 13	122 04	8
8016	Other inside labor	10	108	2 36	254 88	8
8016	Engineers	3	108	2 58	278 64	8
8016	Fireman	1	108	2 00	216 00	8
8016	Weighmen	4	108	2 50	270 00	8
8016	Dumpers	5	108	2 00	216 00	8
8016	Trimmers	7	108	2 00	216 00	8
8016	Carpenter	1	108	2 50	270 00	8
8016	Blacksmiths	3	108	2 63	284 04	8
8016	Greasers	4	108	1 13	122 04	8
8016	Other outside labor	6	108	2 00	216 00	8
8017	Pick miners	6	132	2 00	264 00	8
8017	Driver	1	132	2 00	264 00	8
8017	Other inside labor	1	132	2 56	337 92	8
8018	Pick miners	100	200	2 75	550 00	8
8018	Track layers	3	200	2 06	412 00	8
8018	Drivers	8	200	2 06	412 00	8
8018	Timbermen	2	200	2 06	412 00	8
8018	Pumpers	2	200	2 06	412 00	8
8018	Trappers	2	200	2 06	412 00	8
8018	Other inside labor	2	200	2 06	412 00	8
8018	Engineers	2	200	2 06	412 00	8
8018	Firemen	2	200	2 36	472 00	8
8018	Weighman	1	200	2 56	512 00	8
8018	Dumpers	4	200	2 36	472 00	8
8018	Trimmers	2	200	2 36	472 00	8
8018	Blacksmith	1	200	2 56	512 00	8
8018	Hostler	1	200	2 56	512 00	8
8019	Pick miners	12	300	2 20	660 00	8
8019	Track layers	2	300	2 56	768 00	8
8019	Drivers	2	300	2 56	768 00	8
8019	Pumper	1	300	1 25	375 00	8
8020	Pick miners	15	160	2 50	400 00	8
8020	Drivers	2	160	2 25	360 00	8
8020	Weighman	1	160	2 00	320 00	8
8021	Pick miners	50	175	2 50	437 50	8
8021	Track layers	2	175	2 56	448 00	8
8021	Drivers	6	175	2 56	448 00	8
8021	Timbermen	2	175	2 56	448 00	8
8021	Trappers	3	175	1 13	197 75	8
8021	Engineer	1	175	2 56	448 00	8
8021	Weighman	1	175	2 00	350 00	8
8021	Dumpers	2	175	2 00	350 00	8
8021	Trimmers	2	175	2 00	350 00	8
8021	Blacksmith	1	175	2 56	448 00	8
8021	Greaser	1	175	2 00	350 00	8
8022	Pick miners	28	200	2 20	440 00	8

*4 mines.

TABLE IX26—COAL MINING—TUSCARAWAS COUNTY.
Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8022	Track layer	1	200	$2 36	$472 00	8
8022	Drivers	4	200	2 56	512 00	8
8022	Timberman	1	200	2 36	472 00	8
8022	Pumper	1	200	3 12	624 00	8
8039	Pick miners	5	283	2 25	636 75	8
8039	Driver	1	283	1 75	495 25	8
8040	Pick miners	2	200	2 50	500 00	9
8040	Driver	1	200	2 56	512 00	9
8041	Pick miners	2	200	1 85	370 00	8
8043‡	Pick miners	34	231	2 16	498 96	8
8043	Track layers	3	231	2 56	591 36	8
8043	Drivers	4	231	2 36	545 16	8
8043	Timberman	1	231	2 56	591 36	8
8043	Engineer	1	231	2 00	462 00	8
8043	Weighmen	2	231	2 00	462 00	8
8043	Dumpers	2	231	2 00	462 00	8
8043	Trimmers	2	231	2 00	462 00	8
8043	Blacksmith	1	231	2 56	591 36	8
8043	Other outside labor	1	231	1 13	261 03	8
8044	Pick miners	20	54	2 25	121 50	7
8044	Track layer	1	54	2 56	138 24	8
8044	Drivers	3	54	2 56	138 24	7
8044	Pumper	1	54	2 36	127 44	8
8044	Other inside labor	4	54	2 36	127 44	8
8044	Engineer	1	54	2 30	124 20	8
8044	Dumper	1	54	2 00	108 00	6
8044	Trimmer	1	54	2 00	108 00	6
8044	Blacksmith	1	54	2 56	138 24	8
8046	Pick miners	2	174	1 50	261 00	6
8047	Pick miners	2	118	2 04	240 72	8
8049	Pick miners	27	184	3 40	625 60	8
8049	Track layer	1	184	2 56	471 04	8
8049	Drivers	3	184	2 56	471 04	8
8049	Other inside labor	2	184	2 56	471 04	8
8049	Weighman	1	184	2 00	368 00	8
8049	Trimmers	2	184	2 00	368 00	8
8049	Blacksmith	1	184	2 56	471 04	8
8049	Hostler	1	184	2 00	368 00	8
8022	Weighman	1	200	2 56	312 00	8
8022	Trimmer	1	200	2 00	400 00	8
8022	Blacksmith	1	220	2 56	512 00	8
8023	Pick miners	35	250	3 00	750 00	8
8023	Track layers	2	250	2 56	640 00	8
8023	Drivers	4	250	2 56	640 00	8
8024	Pick miners	6	290	2 77	803 30	8
8024	Driver	1	290	2 56	742 40	8
8026	Pick miners	4	250	1 95	487 50	8
8026	Driver	1	250	2 56	640 00	8
8027	Pick miners	3	250	1 60	400 00	8
8029	Pick miners	2	200	1 50	300 00	8
8030	Pick miners	9	133	2 24	297 92	8
8030	Track layer	1	133	2 47	328 51	8
8030	Drivers	2	133	2 33	309 89	8
8030	Pumper	1	133	2 33	309 89	8
8030	Engineer	1	133	2 12	281 96	20
8030	Weighman	1	133	1 99	264 67	8
8031†	Pick miners	115	275	3 75	1,031 25	8
8031	Track layers	3	275	2 56	704 00	8
8031	Drivers	19	275	2 56	704 00	8
8031	Pumpers	2	275	1 93	530 75	8
8031	Other inside labor	14	275	2 28	627 00	8
8031	Engineer	1	275	2 10	577 50	8
8031	Fireman	1	275	1 51	415 25	8
8031	Weighmen	2	275	2 15	591 25	8
8031	Dumpers	4	275	2 00	550 00	8

†3 mines.
‡2 mines.

TABLE IX26—COAL MINING—TUSCARAWAS COUNTY.
Continued.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8031	Trimmers	7	275	$2 00	$550 00	8
8031	Blacksmiths	2	275	2 56	704 00	8
8031	Greaser	1	275	1 40	385 00	8
8034	Pick miners	10	100	3 00	300 00	8
8034	Track layer	1	100	2 56	256 00	8
8034	Driver	1	100	2 56	256 00	8
8034	Weighman	1	100	2 56	256 00	8
8035	Pick miners	5	164	2 50	410 00	8
8035	Driver	1	164	2 56	419 84	8
8035	Dumper	1	164	2 00	328 00	8
8036	Pick miners	6	156	3 00	468 00	8
8036	Driver	1	156	2 56	399 36	8
8037*	Pick miners	275	200	2 75	550 00	8
8037	Machine cutters	4	200	3 15	630 00	8
8037	Loaders	20	200	3 00	600 00	8
8037	Track layers	8	200	2 56	512 00	8
8037	Drivers	27	200	2 56	512 00	8
8037	Pumper	1	200	2 02	404 00	8
8037	Cager	1	200	2 56	512 00	8
8037	Trappers	13	200	1 13	226 00	8
8037	Other inside labor	6	200	2 56	512 00	8
8037	Engineers	3	200	2 70	540 00	8.6
8037	Firemen	2	200	2 01	402 00	9
8037	Weighmen	2	200	2 50	500 00	8.5
8037	Dumpers	2	200	2 25	450 00	8
8037	Trimmers	8	200	2 02	404 00	8
8037	Blacksmiths	6	200	2 56	512 00	8
8037	Greasers	3	200	1 50	300 00	8
8037	Hostler	1	200	2 50	500 00	8
8038	Pick miners	90	200	2 75	550 00	8
8038	Track layers	2	200	2 56	512 00	8
8038	Drivers	9	200	2 56	512 00	8
8038	Pumper	1	200	2 00	400 00	8
8038	Cager	1	200	2 56	512 00	8
8038	Trappers	4	200	1 13	226 00	8
8038	Engineer	1	200	2 70	540 00	8
8038	Fireman	1	200	2 00	400 00	9
8038	Weighman	1	200	2 50	500 00	9
8038	Dumper	1	200	2 25	450 00	8
8038	Trimmers	3	200	2 00	400 00	8
8038	Blacksmiths	3	200	2 56	512 00	8
8038	Greaser	1	200	1 50	300 00	8
8038	Hostler	1	200	2 50	500 00	8
8051	Pick miners	40	100	2 00	200 00	8
8051	Loaders	3	100	2 56	256 00	8
8051	Track layers	3	100	2 56	256 00	8
8051	Drivers	5	100	2 56	256 00	8
8051	Timbermen	3	100	2 56	256 00	8
8051	Trappers	2	100	1 13	113 00	8
8051	Other inside labor	15	100	1 75	175 00	8
8051	Engineers	3	100	2 15	215 00	8
8051	Weighman	1	100	2 00	200 00	8
8051	Dumpers	2	100	2 00	200 00	8
8051	Trimmmers	2	100	2 00	200 00	8
8051	Carpenters	6	100	2 50	250 00	8
8051	Blacksmiths	2	100	2 85	285 00	8
8051	Hostler	1	100	2 00	200 00	8
8090	Pick miners	150	250	3 00	750 00	8
8090	Track layers	5	250	2 56	640 00	8
8090	Drivers	11	250	2 56	640 00	8
8090	Timbermen	4	250	2 56	640 00	8
8090	Cagers	6	250	2 56	640 00	8
8090	Trappers	4	250	1 13	282 50	8
8090	Other inside labor	15	250	2 36	590 00	8
8090	Engineers	2	250	2 56	640 00	8
8090	Fireman	1	250	2 56	640 00	8

*2 mines.

TABLE IX26—COAL MINING—TUSCARAWAS COUNTY.

Concluded.

Schedule number.	Occupation.	Number employed.	Number employed. Average number of days	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8090	Weighman	1	250	$2 56	$640 00	8
8090	Trimmers	2	250	2 00	500 00	8
8090	Blacksmiths	3	250	2 56	640 00	8
8090	Greaser	1	250	1 13	282 50	8
8090	Other outside labor	6	250	2 56	640 00	8
8124	Machine cutters	5	239	3 15	752 85	8
8124	Loaders	45	239	3 00	717 00	8
8124	Track layer	1	239	2 56	611 84	8
8124	Drivers	4	239	2 56	611 84	8
8124	Timberman	1	239	2 56	611 84	8
8124	Trappers	2	239	1 13	270 07	8
8124	Other inside labor	5	239	2 36	564 04	8
8124	Engineer	1	239	3 53	843 67	8
8124	Fireman	1	239	1 50	358 50	8
8124	Weighman	1	239	2 50	597 50	8
8124	Dumpers	2	239	2 00	478 00	8
8124	Trimmers	2	239	2 00	478 00	8
8124	Blacksmith	1	239	2 75	657 25	8
8124	Hostler	1	239	1 77	423 03	8
12244	Pick miners	50	175	2 50	437 50	8
12244	Track layers	2	175	2 56	448 00	8
12244	Drivers	5	175	2 56	448 00	8
12244	Timberman	1	175	2 56	448 00	8
12244	Pumpers	2	175	2 56	448 00	8
12244	Trappers	2	175	2 56	448 00	8
12244	Other inside labor	1	175	2 56	448 00	8
12244	Engineer	1	175	2 56	448 00	8
12244	Fireman	1	175	2 36	413 00	8
12244	Weighman	1	175	2 25	393 75	8
12244	Dumpers	4	175	2 36	413 00	8
12244	Trimmers	3	175	2 36	413 00	8
12244	Blacksmith	1	175	2 56	448 00	8
12244	Greasers	5	175	1 13	197 75	8
12244	Hostler	1	175	2 56	448 00	8
12245	Pick miners	60	200	2 50	500 00	8
12245	Track layers	2	200	2 46	492 00	8
12245	Drivers	5	200	2 56	512 00	8
12245	Trappers	3	200	1 13	226 00	8
12245	Engineers	2	200	2 00	400 00	8
12245	Weighman	1	200	2 25	450 00	8
12245	Dumpers	2	200	2 00	400 00	8
12245	Trimmers	2	200	2 00	400 00	8
12245	Blacksmith	1	200	2 28	456 00	8
12245	Greaser	1	200	1 13	226 00	8
12245	Hostler	1	200	2 00	400 00	8
12245	Other outside labor	1	200	2 56	512 00	8
12247‡	Pick miners	60	200	2 50	500 00	8
12247	Track layers	2	200	2 45	490 00	8
12247	Drivers	6	200	2 40	480 00	8
12247	Other inside labor	3	200	2 36	472 00	8
12247	Engineer	1	200	2 75	550 00	8
12247	Weighmen	2	200	2 50	500 00	8
12247	Dumpers	2	200	2 00	400 00	8
12247	Trimmers	4	200	2 00	400 00	8
12247	Blacksmiths	2	200	2 42	484 00	8
12247	Hostler	1	200	2 00	400 00	8

‡2 mines.

TABLE IX27—COAL MINING—VINTON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8053*	Pick miners	10	250	$2 50	$625 00	8
8053	Machine cutters	4	250	2 50	625 00	8
8053	Loaders	15	250	2 25	562 50	8
8053	Track layer	1	250	2 31	577 50	8
8053	Drivers	4	250	2 06	515 00	8
8053	Trapper	1	250	1 00	250 00	8
8053	Engineer	1	250	2 25	562 50	8
8053	Weighman	1	250	2 06	515 00	8
8053	Dumper	1	250	2 06	515 00	8
8053	Trimmer	1	250	2 06	515 00	8
8053	Blacksmith	1	250	2 25	562 50	8
8054	Pick miners	61	180	4 09	736 20	8
8054	Track layer	1	180	2 31	415 80	8
8054	Drivers	6	180	2 06	370 80	8
8054	Cager	1	180	2 06	370 80	8
8054	Trappers	4	180	1 00	180 00	8
8054	Engineer	1	180	2 62	471 60	8
8054	Fireman	1	180	2 06	370 80	8
8054	Weighman	1	180	2 06	370 80	8
8054	Trimmer	1	180	2 06	370 80	8
8054	Blacksmith	1	180	2 25	405 00	8
8055	Machine cutters	4	190	2 37	450 30	8
8055	Loaders	18	190	1 25	237 50	8
8055	Track layer	1	190	2 31	438 90	8
8055	Drivers	2	190	2 06	391 40	8
8055	Engineer	1	190	2 08	395 20	8
8055	Blacksmith	1	190	2 06	391 40	8
8056	Pick miners	30	240	1 60	384 00	8
8056	Track layer	1	240	2 31	554 40	8
8056	Drivers	4	240	2 06	494 40	8
8056	Other inside labor	1	240	2 31	554 40	8
8056	Engineer	1	240	2 50	600 00	8
8056	Weighman	1	240	2 06	494 40	8
8056	Dumper	1	240	2 06	494 40	8
8056	Trimmer	1	240	2 06	494 40	8
8057	Pick miners	34	196	2 50	490 00	8
8057	Machine cutters	2	196	2 75	539 00	8
8057	Loaders	12	196	2 50	490 00	8
8057	Track layer	1	196	2 31	452 76	8
8057	Drivers	4	196	2 06	403 76	8
8057	Trappers	2	196	1 00	196 00	8
8057	Other inside labor	3	196	2 06	403 76	8
8057	Engineer	1	196	2 50	490 00	8
8057	Dumper	1	196	2 06	403 76	8
8057	Trimmers	2	196	2 06	403 76	8
8057	Blacksmith	1	196	2 66	521 36	8
8113	Pick miners	45	186	2 80	520 80	7
8113	Track layer	1	186	2 31	429 66	8
8113	Drivers	4	186	2 06	383 16	8
8113	Trappers	3	186	1 00	186 00	8
8113	Engineer	1	186	2 00	372 00	10
8113	Fireman	1	186	1 50	279 00	10
8113	Weighman	1	186	2 06	383 16	8
8113	Dumper	1	186	2 06	383 16	8
8113	Trimmers	2	186	2 06	383 16	8
8113	Blacksmith	1	186	1 50	279 00	6
8135	Machine cutters	8	186	2 50	465 00	8
8135	Loaders	35	186	2 50	465 00	8
8135	Track layer	1	186	2 06	383 16	8
8135	Drivers	4	186	2 06	383 16	8
8135	Trappers	2	186	1 00	186 00	8
8135	Engineers	2	186	2 50	465 00	8
8137	Firemen	2	186	2 50	465 00	8
8135	Weighman	1	186	2 16	401 76	8
8135	Dumper	1	186	2 06	383 16	8
8135	Trimmers	2	186	2 06	383 16	8

*2 mines.

TABLE IX27—COAL MINING—VINTON COUNTY.

Concluded.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8135	Carpenter	1	186	$2 06	$383 16	8
8135	Blacksmith	1	186	2 50	465 00	8
12252	Pick miners	9	90	2 06	185 40	8
12252	Driver	1	90	2 06	185 40	8
12252	Weighman	1	90	2 06	185 40	8

TABLE IX28—COAL MINING—WASHINGTON COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8062	Pick miners	5	234	$150	$351 00	8
8062	Other inside labor	1	234	2 36	552 24	8
8062	Other outside labor	1	234	1 50	351 00	9

TABLE IX29—COAL MINING—WAYNE COUNTY.

Schedule number.	Occupation.	Number employed.	Average number of days worked in 1903.	Average daily wages.	Average yearly earnings, 1903.	Average hours of daily labor.
8067	Pick miners	2	200	$1 55	$310 00	6
8067	Engineer	1	200	2 00	400 00	10
8067	Other outside labor	8	200	1 55	310 00	8
8070	Pick miners	75	175	2 25	393 75	8
8070	Track layer	1	175	2 56	448 00	8
8070	Drivers	4	175	2 56	448 00	8
8070	Pumper	1	175	2 50	437 50	8
8070	Cager	1	175	2 56	448 00	8
8070	Trappers	2	175	1 00	175 00	8
8070	Engineer	1	175	2 50	437 50	8
8070	Fireman	1	175	2 00	350 00	8
8070	Dumper	1	175	2 00	350 00	8
8070	Trimmer	1	175	2 00	350 00	8
8070	Blacksmith	1	175	2 40	420 00	8
8070	Other outside labor	2	175	2 50	437 50	8
8071	Pick miners	0	150	2 75	412 50	8
8071	Track layers	2	150	2 56	384 00	8
8071	Drivers	6	150	2 56	384 00	8
8071	Pumpers	2	150	2 36	354 00	8
8071	Cager	1	150	2 56	384 00	8
8071	Trappers	3	150	1 13	169 50	8
8071	Engineers	2	150	2 68	402 00	8
8071	Fireman	1	150	2 00	300 00	8
8071	Weighman	1	150	2 50	375 00	8
8071	Dumper	1	150	2 25	337 50	8
8071	Trimmers	3	150	2 00	300 00	8
8071	Blacksmith	1	150	2 70	405 00	8
8071	Hostler	1	150	60	90 00	8
8072	Pick miners	50	100	3 00	300 00	8
8072	Track layer	1	100	2 56	256 00	8
8072	Drivers	3	100	2 56	256 00	8
8072	Pumpers	2	100	2 36	236 00	8
8072	Cager	1	100	2 36	236 00	8
8072	Trapper	1	100	1 13	113 00	8
8072	Other inside labor	1	100	2 36	236 00	8
8072	Engineers	3	100	2 32	232 00	8
8072	Fireman	1	100	2 00	200 00	8
8072	Weighman	1	100	2 00	200 00	8
8072	Dumper	1	100	2 00	200 00	8
8072	Trimmer	1	100	1 90	190 00	8
8072	Blacksmith	1	100	2 53	253 00	8

TABLE X—COAL MINING.

Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Occupation.	No. of Employes.	Advanced per cent.	Reduced per cent.
Pick miners	7,895	11.7	.....
Machine cutters	1,320	13.1	.....
Loaders	10,570	12.5	.....
Track layers	424	13.3	.....
Drivers	1,746	14.6	.....
Timbermen	169	12.7	.....
Pumpers	233	12.6	.....
Cagers	194	13.7	.....
Trappers	730	12.4	.....
Other inside labor	1,069	13.6	.....
Engineers	297	12.6	.....
Firemen	192	12.7	.....
Weighmen	181	12.8	.....
Dumpers	258	13.1	.....
Trimmers	500	12.8	.....
Carpenters	118	12.4	.....
Blacksmiths	293	12.9	.....
Greasers	154	12.6	.....
Hostlers	114	12.4	.....
Other outside labor	493	12.7	.....
Total and average	26,950	12.57	.....

TABLE XI—COAL MINING

Showing by Counties the Number in Each Occupation Affected by a Change in Wages for the Year 1903.

Counties.	Occupation.	No. of Employes.	Advanced per cent.	Reduced per cent.
Athens	Pick miners	185	12.2	
"	Machine cutters	311	12.4	
"	Loaders	2,770	12	
"	Track layers	53	13.5	
"	Drivers	279	14.2	
"	Timbermen	27	14.2	
"	Pumpers	31	12.3	
"	Cagers	41	12.8	
"	Trappers	127	12.4	
"	Other inside labor	163	12.5	
"	Engineers	45	12.3	
"	Firemen	28	12	
"	Weighmen	22	12.3	
"	Dumpers	22	12.3	
"	Trimmers	104	12.4	
"	Carpenters	27	12.8	
"	Blacksmiths	42	12.3	
"	Greasers	26	12.4	
"	Hostlers	25	12.5	
"	Other outside labor	59	12.3	
Belmont	Pick miners	1,304	11.8	
"	Machine cutters	145	13.6	
"	Loaders	796	13	
"	Track layers	36	13.3	
"	Drivers	224	15.7	
"	Timbermen	26	13.5	
"	Pumpers	9	12.5	
"	Cagers	3	15.6	
"	Trappers	75	13.8	
"	Other inside labor	67	13.6	
"	Engineers	26	13.6	
"	Firemen	15	16.7	
"	Weighmen	20	14.7	
"	Dumpers	20	15.5	
"	Trimmers	48	14.3	
"	Carpenters	17	13.4	
"	Blacksmiths	30	14	
"	Greasers	11	14.3	
"	Hostlers	10	13.2	
"	Other outside labor	91	12.7	
Carroll	Pick miners	31	12.6	
"	Machine cutters	62	16.4	
"	Loaders	388	11.6	
"	Track layers	12	13.9	
"	Drivers	33	13.5	
"	Timbermen	10	12.5	
"	Pumpers	17	13.2	
"	Cagers	4	12.5	
"	Trappers	20	12.5	
"	Other inside labor	26	13.7	
"	Engineers	12	13.4	
"	Firemen	3	12.5	
"	Weighmen	4	12.5	
"	Dumpers	5	12.5	
"	Trimmers	17	12.5	
"	Carpenters	2	12.5	
"	Blacksmiths	9	12.8	
"	Greasers	4	12.5	
"	Hostlers	3	12.5	
"	Other outside labor	6	12.5	
Columbiana	Pick miners	283	10.2	
"	Machine cutters	20	12	
"	Loaders	248	11.6	
"	Track layers	19	10.3	
"	Drivers	62	15.2	
"	Timbermen	4	10.2	
"	Pumpers	10	9.3	
"	Cagers	4	12.6	
"	Trappers	14	8.5	
"	Other inside labor	16	10.2	
"	Engineers	11	10.5	
"	Firemen	3	14.1	
"	Weighmen	6	10.2	

TABLE XI—COAL MINING—Continued.

Counties.	Occupation.	No. of Employes.	Advanced per cent.	Reduced per cent.
Columbiana	Dumpers	10	10.8	
"	Trimmers	10	13.3	
"	Carpenter	1	12.5	
"	Blacksmiths	12	11	
"	Greasers	7	8.6	
"	Hostlers	4	9.1	
"	Other outside labor	6	12.6	
Coshocton	Pick miners	329	12.5	
"	Machine cutters	20	12.5	
"	Loaders	238	12.5	
"	Track layers	16	13.1	
"	Drivers	57	18.1	
"	Timbermen	15	12.5	
"	Pumpers	7	12.5	
"	Trappers	9	12.5	
"	Other inside labor	19	12.5	
"	Engineers	5	12.5	
"	Firemen	2	12.5	
"	Weighmen	5	12.5	
"	Dumpers	20	13.7	
"	Trimmers	7	12.5	
"	Carpenters	5	12.5	
"	Blacksmiths	7	12.5	
"	Greasers	4	12.5	
"	Hostlers	3	12.5	
"	Other outside labor	15	12.5	
Gallia	Pick miners	36	10	
"	Drivers	6	15	
"	Other inside labor	2	15	
"	Trimmer	1	6.2	
"	Other outside labor	2	6.2	
Guernsey	Pick miners	96	12.5	
"	Machine cutters	198	12.3	
"	Loaders	1,478	12.6	
"	Track layers	48	13.7	
"	Drivers	234	14.5	
"	Timbermen	27	12.5	
"	Pumpers	27	12.5	
"	Cagers	34	14.3	
"	Trappers	81	12.5	
"	Other inside labor	132	12.6	
"	Engineers	37	13.1	
"	Firemen	42	12.8	
"	Weighmen	16	13.5	
"	Dumpers	15	12.5	
"	Trimmers	43	13.2	
"	Carpenters	12	12.5	
"	Blacksmiths	26	12.5	
"	Greasers	9	12.5	
"	Hostlers	14	12.5	
"	Other outside labor	32	12.7	
Harrison	Pick miners	63	13.3	
"	Track layers	2	13	
"	Drivers	5	24.6	
"	Trapper	1	13.6	
"	Other inside labor	3	27	
"	Engineer	1	14.2	
"	Weighman	1	11.1	
"	Dumpers	2	11.7	
"	Trimmer	1	13.5	
"	Blacksmith	1	28.2	
"	Other outside labor	1	25	
Hocking	Pick miners	8	12.5	
"	Machine cutters	86	12.5	
"	Loaders	867	12.5	
"	Track layers	12	12.5	
"	Drivers	75	12.5	
"	Timbermen	8	12.5	
"	Pumpers	6	12.5	
"	Trappers	10	12.5	
"	Other inside labor	64	12.5	
"	Engineers	13	12.5	
"	Firemen	9	12.5	
"	Weighmen	7	12.5	
"	Dumpers	12	12.5	
"	Trimmers	38	12.5	
"	Carpenters	5	12.5	

TABLE XI—COAL MINING—Continued.

Counties.	Occupation.	No. of Employes.	Advanced per cent.	Reduced per cent.
Hocking	Blacksmiths	10	12.5	.....
"	Greasers	6	12.5	.....
"	Hostlers	3	12.5	.....
"	Other outside labor	13	12.5	.....
Holmes	Pick miners	8	10	.....
Jackson	Pick miners	1,105	12.3	.....
"	Machine cutters	78	14	.....
"	Loaders	397	12.2	.....
"	Track layers	37	16.3	.....
"	Drivers	280	14.3	.....
"	Timbermen	27	12.5	.....
"	Pumpers	20	13.1	.....
"	Cagers	36	13.9	.....
"	Trappers	106	13.1	.....
"	Other inside labor	215	15.8	.....
"	Engineers	18	13.9	.....
"	Firemen	22	12.5	.....
"	Weighmen	22	15.8	.....
"	Dumpers	19	15.8	.....
"	Carpenters	4	12.5	.....
"	Blacksmiths	28	12.4	.....
"	Greasers	23	14.3	.....
"	Hostlers	13	12.5	.....
"	Other outside labor	46	14.4	.....
Jefferson	Pick miners	700	10.7	.....
"	Machine cutters	98	11.6	.....
"	Loaders	659	11	.....
"	Track layers	24	11.9	.....
"	Drivers	76	16.9	.....
"	Timbermen	12	12.8	.....
"	Pumpers	8	12.5	.....
"	Cagers	3	13.2	.....
"	Trappers	45	10.4	.....
"	Other inside labor	76	11.2	.....
"	Engineers	7	9.5	.....
"	Weighmen	6	17.3	.....
"	Dumpers	11	12.5	.....
"	Trimmers	20	11.2	.....
"	Carpenters	16	10.8	.....
"	Blacksmiths	17	13	.....
"	Greasers	12	11	.....
"	Hostler	4	11.6	.....
"	Other outside labor	119	8.4	.....
Lawrence	Pick miners	180	19.8	.....
"	Track layers	4	22.5	.....
"	Drivers	21	24.3	.....
"	Timbermen	2	25	.....
"	Pumper	1	25	.....
"	Trappers	6	23.3	.....
"	Other inside labor	29	24.8	.....
"	Weighmen	3	19.1	.....
"	Dumpers	2	20	.....
"	Trimmers	5	23	.....
"	Blacksmiths	4	23	.....
"	Other outside labor	35	25.1	.....
Mahoning	Pick miners	115	11.7	.....
"	Track layers	2	20	.....
"	Drivers	5	20.7	.....
"	Pumper	1	20	.....
"	Cager	1	20	.....
"	Engineers	3	17.9	.....
"	Blacksmith	1	20	.....
"	Other outside labor	7	20	.....
Medina	Pick miners	13	17.1	.....
"	Drivers	3	20.6	.....
"	Pumper	1	15	.....
"	Engineer	1	21.9	.....
Meigs	Pick miners	161	8.4	.....
"	Loaders	5	9	.....
"	Track layers	6	7.8	.....
"	Drivers	26	12.8	.....
"	Pumpers	2	9	.....
"	Cager	1	9	.....
"	Trappers	2	9	.....
"	Engineer	1	6	.....
"	Weighman	1	9	.....
"	Dumpers	5	8.4	.....

TABLE XI—COAL MINING—Continued.

Counties.	Occupation.	No. of Employes.	Advanced per cent.	Reduced per cent.
Meigs	Trimmer	1	6	
"	Greaser	1	9	
"	Other outside labor	11	9	
Morgan	Machine cutters	11	14	
"	Loaders	44	14	
"	Track layers	2	14	
"	Drivers	6	25	
"	Trappers	2	13	
"	Other inside labor	5	14	
"	Engineers	2	14	
"	Weighman	1	10	
"	Trimmers	2	18	
"	Blacksmith	1	17	
"	Other outside labor	4	14	
Muskingum	Pick miners	221	12.7	
"	Track layers	4	12.2	
"	Drivers	28	12.4	
"	Trappers	7	12.5	
"	Other inside labor	13	12.4	
"	Weighmen	5	12.4	
"	Dumpers	5	12.3	
"	Trimmers	6	12.3	
"	Blacksmiths	3	12.5	
"	Hostler	1	12	
"	Other outside labor	2	12.5	
Noble	Pick miners	6	18.7	
Perry	Pick miners	409	12.4	
"	Machine cutters	280	14	
"	Loaders	2,480	13.4	
"	Track layers	65	13.6	
"	Drivers	268	13.7	
"	Timbermen	33	12.5	
"	Pumpers	41	12.9	
"	Cagers	36	12.5	
"	Trappers	122	12.5	
"	Other inside labor	128	12.6	
"	Engineers	49	12.5	
"	Firemen	39	12.5	
"	Weighmen	28	12.3	
"	Dumpers	51	12.5	
"	Trimmers	102	12.5	
"	Carpenters	26	12.5	
"	Blacksmiths	53	12.5	
"	Greasers	27	12.5	
"	Hostlers	27	12.5	
"	Other outside labor	88	12.5	
Scioto	Pick miners	16	12.5	
"	Track layer	1	24	
"	Drivers	3	24	
"	Other inside labor	6	24	
"	Weighman	1	24	
"	Dumpers	2	24	
"	Trimmer	1	24	
"	Blacksmith	1	24	
"	Other outside labor	2	24	
Stark	Pick miners	1,250	11.1	
"	Machine cutters	10	12.5	
"	Loaders	100	12.5	
"	Track layers	39	13	
"	Drivers	111	12.9	
"	Timberman	1	12.5	
"	Pumpers	37	12.7	
"	Cagers	20	17	
"	Trappers	59	12.6	
"	Other inside labor	56	12.1	
"	Engineers	62	12.5	
"	Firemen	19	12.4	
"	Weighmen	19	12.1	
"	Dumpers	30	12.5	
"	Trimmers	53	12.5	
"	Carpenters	3	12.5	
"	Blacksmiths	23	12.4	
"	Greasers	11	12.7	
"	Other outside labor	6	13.3	
Trumbull	Pick miners	20	10	
"	Track layer	1	10	
"	Driver	1	10	
"	Engineer	1	10	

TABLE XI—COAL MINING—Concluded.

Counties.	Occupation.	No. of Employes.	Advanced per cent.	Reduced per cent.
Trumbull	Weighman	1	10	
Tuscarawas	Pick miners	1,132	12.4	
"	Machine cutters	8	12.5	
"	Loaders	85	13.8	
"	Track layers	36	12.6	
"	Drivers	119	16.8	
"	Timbermen	10	12.6	
"	Pumpers	11	14.2	
"	Cagers	9	14.6	
"	Trappers	39	12.5	
"	Other inside labor	48	14.2	
"	Engineers	16	12.1	
"	Firemen	8	10.4	
"	Weighmen	10	13.2	
"	Dumpers	24	12.5	
"	Trimmers	36	12.5	
"	Blacksmiths	21	13	
"	Greasers	13	12.5	
"	Hostlers	7	11.7	
"	Other outside labor	7	12.5	
Vinton	Pick miners	114	11.7	
"	Machine cutters	8	18.5	
"	Loaders	33	19	
"	Track layers	2	18.5	
"	Drivers	6	16.3	
"	Trapper	1	12	
"	Engineer	1	12	
"	Weighman	1	12	
"	Dumper	1	12	
"	Trimmer	1	12	
"	Blacksmiths	2	18.5	
Wayne	Pick miners	110	12.5	
"	Track layers	3	12.5	
"	Drivers	9	18.9	
"	Pumpers	4	12.5	
"	Cagers	2	12.5	
"	Trappers	4	12.5	
"	Other inside labor	1	12.5	
"	Engineers	5	12.5	
"	Firemen	2	12.5	
"	Weighmen	2	12.5	
"	Dumpers	2	12.5	
"	Trimmers	4	12.5	
"	Blacksmiths	2	12.5	

PART IV.

Free Public Employment Officers and Chronology of Labor Bureuas.

CLEVELAND OFFICE.

CLEVELAND, OHIO, November 11, 1904.

HON. M. D. RATCHFORD, *Commissioner of Labor Statistics,*
COLUMBUS, OHIO.

SIR—I have the honor to submit herewith a summary showing the work of this office during the twelve months, ending October 31, 1904, with itemized expense account for the same time.

There has been a noticeable falling off in the amount of help required by the employers and the positions obtained by this office. This is due to the unfavorable condition existing in the iron and steel trade and other manufacturing.

The price for labor is gratifying, save in the skilled classes where there has been a reduction. This reduction is due to the conditions above mentioned.

Respectfully submitted,
I. M. MCMULLAN,
Superintendent.

COLUMBUS OFFICE.

COLUMBUS, OHIO, November 1, 1904.

HON. M. D. RATCHFORD, *Commissioner of Labor Statistics,*
COLUMBUS, OHIO.

SIR—I have the honor to herewith submit the 14th annual report of the Free Public Employment Office, of Columbus, Ohio, for the twelve months ending October 31, 1904. You will also find enclosed an itemized account of the expenditures of this office for the same period.

Very truly yours,
S. P. EWING,
Superintendent.

CINCINNATI OFFICE.

CINCINNATI, OHIO, November 1, 1904.

HON. M. D. RATCHFORD, *Commissioner of Labor Statistics,*
COLUMBUS, OHIO.

SIR—I herewith submit for your consideration, the 15th annual report of the Free Public Employment Office of Cincinnati, for the twelve months ending October 31, 1904.

You will also find enclosed herewith the financial report showing the total amount of money expended for maintaining same. The year just closed for

this office has kept pace with all other lines of business throughout this city and state, and I know of no reason for complaint, unless the scarcity of help or employes would be looked upon as a complaint.

The male classes of employes have with very few exceptions, equaled the demand; the exceptions being the scarcity in the particular lines or pursuits.

Salaries for male help have varied but very little; many cases being what would be considered very good; laborers or common labor receiving no less than $1.50 per day, many cases $1.75 and in some instances $2.00 per day. It is to be noted that on the books of this office are to be found a much better demand for help from the most reliable business firms of our city, due no doubt to the advertising allowance made for these offices by the General Assembly two years ago.

It is to be regretted that said allowance for advertising and general repairs was not allowed again this year, although what we were allowed was inadequate as it was, but still better than at present. Said advertising had a tendency to better the demand for help, also the application of a better class of employes. Said advertising also has brought to this office to my knowledge, a demand for skilled mechanics, which positions on one or two occasions paid salaries ranging from $1,200 to $1,800 per year. This of itself, is an item not to be overlooked, as positions of such character are not often found in employment offices that are not known to exist, except through some medium of advertising.

Owing to the vast amount of competition and the manner in which the private pay employment agencies are conducted, advertising is so essential, that I hope the next General Assembly will make a permanent allowance for same exclusively, independent of general repairs or anything else.

The demand for female help in this city seems to be our bone of contention. Said demand is so great and the supply so limited, that it is an utter impossibility to begin to fill our needs by a large margin; with a demand for 2,847 employes in the past year, we secured but 2,464 applications, and were successful in placing but 2,098, leaving a total of 747 orders that could not be filled.

This state of affairs however exists all over our country to my knowledge from personal investigation, especially as regards private or domestic help; wages for this class of employes have been what should be considered good, ranging from $3.00 to $4.50 and $5.00, and in some instances $6.00 per week. Colored persons for this service are being used to a greater extent than heretofore, due no doubt to the scarcity of white servants.

I regret to state in this report that it was our misfortune to have to change the location of our office, inasmuch as we were so well established in our old quarters, the cause being one of our neighboring firms having spread to such an extent, that our office was needed for his business. Said removal has caused the expense of this office to increase slightly over former years, which cannot be helped in a city like this, as rents in all localities here have increased materially. However, I hope in the near future to secure quarters as near our old allowance as possible.

In submitting this report, I trust ways and means will be perfected, whereby some allowance can be made toward refitting this office with new furniture, etc., as it is very much in need of same, the majority of our limited furnishings at present, having been in use in this office since first created, to wit, April, 1890.

Trusting these few recommendations will receive due and merited consideration for the benefit of the office and the public in general, and thanking you and your office attaches for the many courtesies shown in the past, I beg to remain,

Very respectfully yours,

J. S. Richardson,
Superintendent.

DAYTON OFFICE.

DAYTON, OHIO, October 31, 1904.

HON. M. D. RATCHFORD, *Commissioner of Labor Statistics,*
COLUMBUS, OHIO.

SIR—I have the honor to submit herewith, the annual statement of the business done by the Dayton Free Public Employment Office, for the twelve months ending October 31, 1904; also, annual financial report ending same date. I am pleased to report that our office grows in favor with our people, and is generally patronized, and our patrons in most cases speak in praise of the help we furnish them.

The commercial condition during the past year has not been so good as the previous one, hence, the number of places open for laborers are correspondingly less, yet the demand for farm and dairy hands has been good.

The abundant crops of corn and tobacco, and the high prices of all farm products has stimulated the farmers to larger cultivation of farm lands, and the demand for this kind of labor is growing and the prices paid for good farm hands are good.

The demand for female help is much greater than the supply. Especially is this true with domestics. We have not been able to fill half the places that have been open for good domestics. I account for this in part for the reason that so many of our factories employ female help, and they prefer this to house work for the reason they have their evenings and Sundays to themselves.

The laws passed by our last legislature, governing paid Employment Offices, I am sure, will work greatly to the benefit of those seeking employment.

In conclusion, I wish to express our thanks for the kindness shown us by yourself and the other attaches of your office. I remain,

Yours very truly,
JOHN F. ILIFF,
Superintendent.

TOLEDO OFFICE.

TOLEDO, OHIO, October 26, 1904.

HON. M. D. RATCHFORD, *Commissioner of Labor Statistics,*
COLUMBUS, OHIO.

SIR—I have the honor to submit herewith a statement of the business transacted by the Free Public Employment Office of this city for the twelve months ending October 31, 1904, also expense report covering the same period.

The report shows that labor in Toledo and vicinity has not been in as active demand during the past year as it was during the same period of 1903. This is to be accounted for in two ways:

In the first place, it being Presidential year, there is naturally some falling off in demand, but owing to the certainty of the re-election of President Roose-

velt, the falling off was not so great as it has been in Presidential years here-to-fore.

Second, the lack of money to give proper publicity to the fact that there is a State Free Employment Office in Toledo, and our having no advertisement to that effect, naturally deprived us of a good deal of the usefulness that we would otherwise have had.

We had considerable demand during the seasons in which they were busy from the sugar industry and the stone quarries, and the unusual amount of paving and repairing of streets in Toledo this year helped out a great deal, so that in the main there has not probably been a great deal of unemployed labor. I think if we would have had the proper publicity, the demand would have almost been equal to the supply.

Hoping that the wants of the Free Public Employment Office will be brought so clearly before the next legislature that proper allowance for advertising will be provided for the future, I am,

Yours truly,

SAMUEL COHN.
Superintendent.

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF CLEVELAND FROM ITS ORGANIZATION JULY 1, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
							per ct.	per ct.
1890	2,532	3,189	1,333	1,277	1,231	847	57¼	49⅓
1891	6,308	925	886	3,830	3,471	2,508	33½	77¼
1892	3,645	1,162	920	3,539	4,577	2,664	49¾	62½
1893	2,964	935	768	4,157	2,671	2,825	50⅓	99⅔
1894	2,942	283	273	3,517	2,065	1,846	32¾	90¼
1895	1,980	450	444	2,732	2,963	2,009	52	71¾
1896	1,290	323	323	3,479	3,720	2,688	63	74½
1897	2,684	919	855	3,244	3,320	2,608	58½	81¾
1898	3,725	1,269	1,084	3,870	3,361	2,562	48	78¾
1899	3,173	1,037	657	1,350	1,640	1,051	37¾	63¾
1900	2,253	312	298	1,606	2,379	1,464	45⅔	65½
1901	3,384	3,264	2,108	2,765	3,069	1,947	66	64
1902	3,411	4,586	2,606	2,390	2,819	1,933	78¼	61¼
1903	3,238	4,141	2,566	2,324	2,852	2,131	84 2-5	67 1-5
1904, 1st quarter	391	197	166	392	432	329	63 1-5	78 7-10
1904, 2d quarter	420	384	242	521	585	436	72	70
1904, 3d quarter	480	412	344	630	657	548	80½	83 2-5
Total	44,820	23,788	15,873	41,623	41,812	30,396	53⅓	70½

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF COLUMBUS FROM ITS ORGANIZATION SEPTEMBER 2, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
							per ct.	per ct.
1890	1,965	1,192	684	710	722	525	45¼	63
1891	3,128	1,534	915	1,739	2,268	1,481	49¼	63
1892	2,907	2,013	1,244	1,658	2,162	1,152	52½	57⅓
1893	3,219	1,142	1,165	2,060	1,879	1,165	44	77
1894	2,672	605	456	2,226	1,852	1,343	36¾	73⅓
1895	2,887	725	499	2,187	2,358	1,590	41	67¾
1896	3,422	700	585	2,476	2,350	1,928	42⅔	82⅓
1897	3,725	798	610	1,192	2,635	2,424	61¼	88⅓
1898	3,872	746	593	652	3,135	2,889	77	89¾
1899	3,161	982	564	1,891	3,642	2,140	53½	58½
1900	1,217	1,270	499	1,895	2,985	1,581	66¾	48¾
1901	1,181	1,022	828	1,586	2,919	1,592	87½	61½
1902	1,616	2,439	1,447	1,443	2,855	1,417	93 3-5	54
1903	1,875	2,145	1,760	1,493	2,735	1,355	92½	63 4-5
1904, 1st quarter	260	271	238	501	736	452	90 7-10	68½
1904, 2d quarter	374	455	361	507	769	448	91 4-5	66
1904, 3d quarter	496	525	488	511	682	473	95 2-5	79 3-5
Total	37,977	18,564	12,936	24,727	36,684	23,955	58 4-5	66¾

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF CINCINNATI FROM ITS ORGANIZATION JULY 25, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
							per ct.	per ct.
1890	4,763	2,803	1,830	1,818	2,787	1,126	43⅓	52¾
1891	4,811	3,369	2,312	3,428	3,291	2,129	54	66⅔
1892	3,139	1,980	1,497	2,789	2,782	1,613	52½	65⅓
1893	2,740	1,344	933	2,536	2,531	1,541	46¾	63¾
1894	2,778	297	267	3,162	1,383	1,144	23¾	84
1895	2,442	326	319	2,774	1,995	1,592	36⅔	82⅓
1896	1,821	262	237	2,180	1,568	1,230	36⅔	80
1897	1,399	163	160	1,606	905	764	30¾	86½
1898	1,620	178	173	1,760	1,081	871	31	83
1899	2,249	433	409	1,835	1,888	1,149	38	67
1900	2,552	1,323	1,246	1,463	2,018	1,033	56¾	68¼
1901	2,423	1,527	1,305	2,101	2,802	1,646	65¼	68⅓
1902	3,204	2,564	2,410	2,115	2,845	1,767	78½	77¼
1903	3,528	3,020	2,871	1,970	3,024	1,631	81 9-10	74½
1904, 1st quarter	377	226	222	658	751	578	77 3-10	81 9-10
1904, 2d quarter	378	284	275	573	736	494	80 4-5	75 2-5
1904, 3d quarter	668	558	553	640	652	537	83⅓	90
Total	40,892	20,657	17,019	33,408	33,039	20,845	51	70½

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF DAYTON FROM ITS ORGANIZATION JUNE 30, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Position secured.	Situations wanted.	Help wanted.	Position secured.	For situations.	For help.
							per ct.	per ct.
1890	2,944	1,384	399	1,083	878	418	20¼	31¾
1891	3,351	1,386	790	2,118	2,004	1,119	34¾	56⅓
1892	2,671	1,282	883	1,474	1,770	989	45	61⅓
1893	3,052	1,613	1,121	1,833	2,290	1,627	56¼	70½
1894	3,657	800	777	3,761	2,447	1,934	36½	83½
1895	3,689	905	868	4,451	3,197	2,621	42¾	85
1896	3,578	884	780	4,957	3,109	2,696	40¾	87
1897	2,870	759	806	3,729	2,731	3,015	58	109½
1898	2,475	927	930	3,138	3,038	2,937	68¾	97½
1899	4,114	2,192	2,030	3,065	5,360	2,193	58¾	56
1900	3,113	2,507	1,701	2,691	4,385	1,954	63	53
1901	3,221	2,684	1,931	2,887	5,792	2,135	66½	48
1902	3,931	4,472	3,147	2,491	7,194	2,080	81 2-5	44 4-5
1903	3,449	3,793	2,982	2,185	7,163	2,026	88 9-10	45 7-10
1904, 1st quarter	440	340	335	602	1,082	563	86 1-5	63 1-5
1904, 2d quarter	691	615	602	581	1,499	548	90 2-5	54 2-5
1904, 3d quarter	509	495	453	551	1,080	522	92	61 9-10
Total	47,755	27,038	20,535	41,597	55,019	29,377	55 4-5	60 3-5

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF TOLEDO FROM ITS ORGANIZATION JUNE 26, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Position secured.	Situations wanted.	Help wanted.	Position secured.	For situations.	For help.
							per ct.	per ct.
1890	2,334	2,885	1,329	719	1,083	497	59¾	46
1891	3,859	2,481	2,064	1,799	2,479	1,391	61	69⅔
1892	3,160	1,790	1,361	1,964	2,654	1,422	54⅓	62⅝
1893	2,194	792	579	2,099	2,032	1,477	47¾	72¾
1894	2,472	441	367	1,950	1,693	1,359	39	80¾
1895	3,167	645	547	1,649	1,659	1,236	37	77⅛
1896	2,557	879	836	1,937	1,885	1,616	54½	88¾
1897	2,481	1,650	1,481	3,527	5,233	4,324	96⅝	82¾
1898	2,426	1,378	1,249	3,471	5,532	4,407	96	81¼
1899	2,562	1,572	1,398	2,745	5,151	3,398	90⅓	71⅓
1900	1,944	1,196	970	2,121	4,062	2,598	87⅜	67⅝
1901	2,426	3,230	1,983	1,349	1,965	1,362	88⅔	64⅓
1902	3,995	3,913	2,704	2,372	2,926	1,917	72 3-5	67 3-5
1903	3,777	3,950	2,726	1,832	2,315	1,639	77 4-5	69 7-10
1904, 1st quarter	381	148	104	235	364	181	46½	55 7-10
1904, 2d quarter	633	623	475	356	580	285	76 4-5	63
1904, 3d quarter	542	569	460	257	339	177	79¾	70 1-5
Total	40,910	28,142	20,633	30,382	41,951	29,286	70	71 1-5

SUMMARY.

FROM REPORTS OF THE FIVE OFFICES, WITH POPULATION OF CITIES IN WHICH OFFICES ARE LOCATED.

Cities.	Population.	Males and Females.			Applications filled.	
		Situations wanted.	Help wanted.	Position secured.	For situations.	For help.
					per ct.	per ct.
Cleveland	381,768	86,443	65,600	46,269	53 1-2	70 1-2
Columbus	125,560	62,704	55,248	36,891	58 4-5	66 3-4
Cincinnati	325,902	74,300	53,696	37,864	51	70 1-2
Dayton	85,333	89,352	82,057	49,912	55 4-5	60 3-5
Toledo	131,822	71,292	70,093	49,919	70	71 1-5
Grand total	1,050,385	384,091	325,794	220,855	57 1-2	67 3-4

EXPENSE REPORTS.

Giving itemized statement of expenses of the Free Public Employment Offices of the State for the year ending October 31, 1904.

CLEVELAND OFFICE.

Rent, janitor and heat	300 00	
Laundry service	7 20	
Postage	5 66	
Telephone rent (Bell)	48 00	
Telephone rent (Cuyahoga)	36 00	
Toll service	18 36	
City directory	7 00	
Incidentals	1 55	
Furniture, repairs and advertising	59 65	
Total		$483 42

COLUMBUS OFFICE.

Rent	$240 00	
Janitor service	52 00	
Laundry service	12 00	
Postage	12 35	
Ice	6 50	
Gas	16 50	
Telephone rent (Citizen and Bell)	82 00	
City directory	5 00	
Incidentals	50	
Furniture, repairs and advertising	45 40	
Total		$472 25

CINCINNATI OFFICE.

Rent	$280 00	
Janitor service	60 00	
Laundry service	6 00	
Gas	75	
Coal	15 00	
Postage	7 00	
Ice	7 65	
Telephone rents	72 00	
City directory	7 00	
Office supplies	9 00	
Incidentals (moving, etc.)	18 30	
Furniture, repairs and advertising	11 70	
Total		$494 40

DAYTON OFFICE.

Rent	$240 00	
Janitor service	36 00	
Laundry service	9 00	
Gas	2 39	
Postage	10 00	
Telephone rent (Bell and Home)	82 00	
City directory	5 00	
Incidentals	6 14	
Furniture, repairs and advertising	59 00	
Total		$449 53

TOLEDO OFFICE.

Rent, janitor and heat	$312 00	
Laundry service	9 00	
Gas	8 38	
Postage	14 50	
Telephone rent (Bell and Home)	90 00	
City directory	5 00	
Ice	7 60	
Incidentals	1 96	
Furniture, repairs and advertising	62 00	
Total		$510 44
Total expenditures for the year		$2,410 04

TABULATED REPORTS OF EMPLOYMENT OFFICES.

TABLE I—CLEVELAND OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from October 29th, 1903, to October 27th, 1904, Inclusive.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
	1903						
November	5	18	2	2	48	49	39
	12	34	25	25	28	25	24
	19	59	1	1	26	28	25
	26	45	26	25	35	38	32
December	3	50	46	41	33	29	27
	10	35	4	4	27	23	20
	17	21	3	3	17	18	13
	24	28	14	14	16	15	15
	31	18	10	10	12	11	10
	1904						
January	7	25	13	13	21	24	16
	14	19	.....	.....	37	38	32
	21	30	21	14	24	28	23
	28	25	21	18	20	23	20
February	4	10	1	1	22	23	19
	11	5	1	.....	10	21	10
	18	27	28	18	18	25	16
	25	20	.....	.....	25	35	18
March	3	34	5	4	44	42	36
	10	55	31	30	52	53	42
	17	59	24	24	36	37	29
	24	40	19	18	47	50	40
	31	42	33	26	36	33	28
April	7	25	19	17	45	55	36
	14	35	124	24	65	73	59
	21	31	13	12	58	64	53
	28	30	42	16	27	39	23
May	5	31	18	15	37	32	26
	12	43	25	25	27	37	24
	19	35	26	23	46	54	38
	26	33	14	14	57	58	44
June	2	25	15	14	23	34	22
	9	29	15	13	30	26	24
	16	39	27	26	39	38	34
	23	41	31	31	46	49	37
	30	23	15	12	21	26	16

TABLE I—CLEVELAND OFFICE—Concluded.

Week ending—	Males.			Females.		
	Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
July 7	30	23	23	33	31	34
14	46	33	31	76	81	60
21	31	14	14	41	45	37
28	46	25	25	28	33	24
August 4	39	67	32	36	40	31
11	30	26	22	38	47	34
18	38	35	29	60	52	46
25	44	27	27	45	35	34
September 1	49	35	34	35	39	34
8	26	28	26	45	53	43
15	36	41	29	84	88	76
22	36	28	28	52	61	49
29	29	30	24	57	52	46
October 6	30	43	22	41	44	39
13	19	17	15	48	56	41
20	46	67	39	40	43	31
27	37	42	32	46	48	41
Totals	1,731	1,293	985	1,960	2,101	1,670

TABLE II—COLUMBUS OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from October 29th, 1903, to October 27th, 1904, Inclusive.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
	1903						
November	5	10	12	10	30	39	28
	12	25	25	24	17	34	13
	19	51	41	29	31	45	26
	26	17	17	14	36	46	29
December	3	23	25	20	35	42	29
	10	38	47	36	43	47	39
	17	24	20	20	41	44	34
	24	16	18	15	31	40	27
	31	17	18	16	31	47	30
	1904						
January	7	15	17	13	39	41	35
	14	12	11	11	42	53	38
	21	22	23	22	34	46	30
	28	14	14	13	30	37	28
February	4	12	16	12	35	48	29
	11	16	23	14	40	59	32
	18	16	14	14	32	47	28
	25	15	13	14	44	68	41
March	3	23	18	19	50	67	49
	10	33	34	31	36	56	33
	17	35	33	31	46	77	41
	24	30	34	28	40	76	37
	31	17	21	16	33	61	31
April..	7	23	23	22	29	55	25
	14	36	42	32	41	74	35
	21	32	34	30	33	55	29
	28	24	31	24	39	64	35
May	5	21	25	21	45	65	39
	12	49	75	47	39	75	37
	19	20	28	20	36	44	30
	26	12	19	11	36	67	30
June	2	81	94	80	45	58	40
	9	24	25	23	32	55	30
	16	17	17	16	52	55	44
	23	16	22	16	37	50	35
	30	19	20	19	43	52	39
July	7	10	8	10	34	38	33
	14	26	22	22	48	53	44
	21	80	83	79	41	53	36
	28	66	70	66	36	39	34

TABLE II—COLUMBUS OFFICE—Concluded.

Week ending—	Males.			Females.		
	Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
August 4	21	21	21	38	45	33
11	9	11	9	33	42	29
18	25	27	24	37	54	36
25	19	19	19	40	56	37
September 1	69	77	69	33	73	32
8	16	26	16	36	42	35
15	69	66	68	44	54	41
22	24	28	23	37	57	33
29	62	67	62	54	76	50
October 6	48	69	48	42	67	40
13	26	46	26	55	66	51
20	24	27	22	38	52	34
27	30	30	30	27	55	26
Totals	1,479	1,646	1,397	1,976	2,811	1,779

TABLE III—CINCINNATI OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from October 29th, 1903, to October 27th, 1904, Inclusive.

Week ending—	Males.			Females.		
	Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
1903						
November 5	20	10	10	36	64	26
12	30	16	17	52	72	43
19	13	10	7	51	59	35
26	15	6	6	30	33	22
December 3	15	4	4	48	63	44
10	28	14	14	43	42	39
17	22	10	10	53	49	47
24	19	13	13	32	29	24
31	23	14	14	42	41	36
1904						
January 7	17	9	9	66	64	60
14	27	9	9	68	73	64
21	12	2	2	60	60	47
28	41	33	32	50	53	46
February 4	18	4	4	42	53	36
11	37	19	19	51	52	43
18	36	24	24	58	73	53
25	44	38	38	36	43	29
March 3	25	6	6	44	51	40
10	32	21	21	56	61	48
17	24	14	13	41	49	32
24	31	20	20	50	61	47
31	33	27	25	36	58	33
April 7	34	20	19	45	71	41
14	28	25	23	42	68	35
21	13	8	8	42	51	30
28	30	21	21	33	48	26
May 5	35	29	29	33	52	29
12	52	45	42	49	60	43
19	16	12	9	38	48	33
26	39	30	30	33	56	26
June 2	16	10	10	41	51	39
9	27	20	20	53	72	49
16	17	11	11	68	71	64
23	34	27	27	52	49	43
30	37	26	26	44	39	36
July 7	11	3	2	20	17	16
14	20	15	15	55	51	46
21	34	25	25	43	39	37
28	17	7	7	49	44	41

TABLE III—CINCINNATI OFFICE—Concluded.

Week ending—	Males.			Females.		
	Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
August 4	39	33	31	52	46	40
11	36	22	22	38	31	25
18	36	27	27	48	41	37
25	35	28	27	49	56	39
September 1	186	177	176	43	52	37
8	27	22	22	45	58	43
15	168	157	157	66	76	59
22	19	11	11	55	54	47
29	40	31	31	77	87	70
October 6	62	48	48	57	80	48
13	12	9	6	43	60	31
20	17	10	10	56	60	49
27	51	38	38	50	56	45
Totals	1,750	1,270	1,247	2,464	2,847	2,098

TABLE IV—DAYTON OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from October 29th, 1903, to October 27th, 1904, Inclusive.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
	1903						
November	5	46	41	38	57	116	54
	12	64	62	57	52	121	51
	19	46	45	41	44	126	42
	26	33	28	26	57	112	55
December	3	60	57	56	43	102	40
	10	44	38	37	46	91	46
	17	66	60	60	40	80	36
	24	25	19	19	26	74	24
	31	50	51	46	27	71	27
	1904						
January	7	33	27	26	31	88	27
	14	27	18	18	63	81	56
	21	36	13	13	63	68	40
	28	24	18	18	53	67	51
February	4	31	24	24	33	52	30
	11	34	26	26	56	84	53
	18	29	24	24	48	81	47
	25	31	23	23	33	70	30
March	3	40	36	33	50	89	47
	10	43	39	39	47	96	44
	17	33	28	28	44	96	43
	24	36	29	28	54	100	50
	31	43	35	35	47	110	45
April	7	46	41	41	57	110	57
	14	27	25	22	50	111	49
	21	42	36	36	48	111	45
	28	31	28	28	33	100	29
May	5	53	46	46	37	115	34
	12	93	86	85	49	124	47
	19	79	69	69	48	133	43
	26	54	47	45	36	121	35
June	2	68	61	60	35	121	32
	9	74	66	66	55	119	54
	16	56	50	49	47	117	43
	23	34	28	28	43	113	40
	30	34	32	27	43	104	40
July	7	40	35	34	37	95	34
	14	27	21	21	47	87	44
	21	33	30	29	44	81	40
	28	35	30	30	42	78	41

TABLE IV—DAYTON OFFICE—Concluded.

Week ending—	Males.			Females.		
	Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
August 4	35	24	24	42	76	39
11	22	38	16	29	62	27
18	28	31	26	23	58	22
25	40	37	37	50	76	46
September 1	55	51	51	48	78	46
8	23	26	22	41	85	38
15	70	74	67	46	96	45
22	58	56	55	55	108	54
29	43	42	41	47	100	46
October 6	74	75	72	42	111	47
13	80	80	78	49	106	47
20	52	50	49	38	100	31
27	42	41	41	48	89	45
Totals	2,322	2,097	2,010	2,303	4,960	2,178

TABLE V—TOLEDO OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from October 29th, 1903, to October 27th, 1904, Inclusive.

Week ending—		Males.			Females.		
		Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
	1903						
November	5	29	38	21	23	23	22
	12	28	27	16	33	26	29
	19	97	160	94	14	21	10
	26	27	6	15	24	20	15
December	3	37	5	....	19	31	8
	10	36	6	2	22	40	14
	17	24	2	.....	12	20	11
	24	48	2	4	21	26	15
	31	23	5	4	24	24	14
	1904						
January	7	14	1	.....	29	22	21
	14	40	14	11	25	12	17
	21	40	10	5	14	24	8
	28	11	1	.....	9	16	8
February	4	34	27	19	12	21	7
	11	26	13	8	18	25	15
	18	32	5	2	17	20	11
	25	25	3	3	18	24	15
March	3	41	17	14	14	35	11
	10	30	23	16	22	47	17
	17	26	7	2	23	33	21
	24	32	9	7	17	38	12
	31	30	18	17	17	47	18
April	7	38	28	24	37	60	29
	14	43	29	24	28	56	17
	21	46	28	27	24	43	20
	28	46	35	35	23	38	21
May	5	44	30	23	29	39	25
	12	41	31	22	26	50	24
	19	45	57	32	22	45	21
	26	47	63	40	27	47	25
June	2	40	75	36	19	41	16
	9	90	96	82	27	59	21
	16	53	59	45	30	37	25
	23	52	48	45	29	26	23
	30	48	44	40	35	39	18
July	7	43	45	38	20	25	17
	14	34	66	25	25	24	10
	21	35	35	28	23	23	15
	28	45	41	40	23	19	11

TABLE V—TOLEDO OFFICE—Concluded.

Week ending—	Males.			Females.		
	Situations Wanted.	Help Wanted.	Positions Secured.	Situations Wanted.	Help Wanted.	Positions Secured.
August 4	33	26	25	28	17	20
11	58	64	53	25	20	17
18	65	71	56	22	20	13
25	46	38	38	17	45	17
September 1	47	47	43	6	23	7
8	29	41	27	13	31	9
15	38	35	33	19	35	13
22	35	28	27	15	24	11
29	34	32	27	21	33	17
October 6	37	31	28	25	19	15
13	35	28	20	19	27	15
20	72	151	66	23	37	19
27	49	106	45	19	26	15
Totals	2,098	1,907	1,354	1,126	1,623	845

CHRONOLOGY OF BUREAUS.

State.	When organized.	Chief Officers.	Incumbency.	
			Date.	Yr.
United States	1884	Carroll D. Wright	1885	18
Arkansas	1889	M. F. Locke	1889–1893	4
		W. G. Vincenheller	1893–1899	5
		Frank Hill	1899	4
California	1883	John S. Enos	1883–1887	4
		John J. Tobin	1887–1891	4
		George W. Walz	1891–1895	4
		E. L. Fitzgerald	1895–1899	4
		F. V. Meyers	1899	4
Colorado	1887	C. J. Driscoll	1887–1889	2
		John W. Lockin	1889–1891	2
		Lester Bodine	1891–1893	2
		J. W. Brentlinger	1893–1895	2
		W. H. Klett	1895–1899	4
		Peter Jennings	1899	1
		Jas. T. Smith	1899	4
Connecticut	1873	James F. Babcock	1873–1874	1
		Samuel J. Starr	1874–1875	1
		Arthur T. Hadley	1885–1887	2
		Samuel M. Hotchkiss	1887–1893	6
		Robert J. Vance	1893–1895	2
		S. B. Horne	1895–1899	4
		Harry E. Back	1899	4
Idaho	1895	J. A. Czizek	1895	6
Illinois	1879	F. H. B. McDowell	1879–1881	2
		John S. Lord	1881–1893	12
		George A. Schilling	1893–1897	4
		David Ross	1897	6
Indiana	1879	John Collett	1879–1881	2
		John B. Conner	1881–1883	2
		William A. Peele, Jr.	1883–1895	12
		Simeon J. Thompson	1895–1897	2
		John B. Conner	1897–1901	4
		E. F. Johnson	1901	2
Iowa	1884	E. R. Hutchins	1884–1890	6
		J. R. Sovereign	1890–1894	4
		W. E. O'Bleness	1894–1900	6
		C. F. Wennerstrum	1900–1902	2
		E. D. Brigham	1902	.....
Kansas	1885	Frank H. Betton	1885–1893	8
		J. F. Todd	1893–1895	2
		Wm. G. Bird	1895–1897	2
		W. L. A. Johnson	1897	6
Kentucky	1876	C. E. Bowman	.....	.....
		C. Y. Wilson	.....	.....
		Nicholas McDowell	1892–1896	4
		Lucas Moore	1896	7
Louisiana	1900	Thos. Harrison	1900	3
Maine	1887	Samuel W. Matthews	1887	16
Maryland	1884	Thos. C. Weeks	1884–1892	8
		Allen B. Howard, Jr.	1892–1896	4
		Charles H. Myers	1896–1898	2
		J. D. Wade	1898–1900	2
		Thos. A. Smith	1900	3
Massachusetts	1869	Henry K. Oliver	1869–1873	4
		Carroll D. Wright	1873–1888	15
		Horace G. Wadlin	1888–1903	15
		C. P. Pidgin	1903	.....
Michigan	1883	John W. McGrath	1883–1885	2
		C. V. R. Pond	1885–1887	2
		A. H. Heath	1887–1891	4
		Henry A. Robinson	1891–1893	2
		Charles H. Morse	1893–1897	4
		Joseph L. Cox	1897–1901	4
		Scott Griswold	1901	2
Minnesota	1887	John Lamb	1887–1891	4
		J. P. McGaughey	1891	.....
		L. G. Powers	1891–1899	8
		Martin F. McHale	1899–1901	2
		John O'Donnell	1901	2
Missouri	1879	W. H. Hilkene	1880–1882	2
		H. J. Spaunhorst	1882–1883	1
		H. A. Newman	1883–1885	2
		Oscar Kochtitzky	1885–1889	4
		Lee Meriwether	1889–1891	2
		Willard C. Hall	1891–1893	2

CHRONOLOGY OF BUREAUS—Concluded.

State.	When organized.	Chief Officers.	Incumbency.	
			Date.	Yr.
Missouri		Henry Blackmore	1893–1895	2
		Lee Meriwether	1895–1897	2
		Arthur Rozelle	1897–1899	2
		Thos. P. Rixey	1899–1901	2
		Wm. Anderson	1901	3
Montana	1893	James H. Mills	1893–1897	4
		J. H. Calderhead	1897–1901	4
		J. A. Ferguson	1901	3
Nebraska	1887	John Jenkins	1887–1890	3
		Philip Andres	1891–1893	2
		J. B. Erion	1893–1895	2
		J. H. Powers	1895–1897	2
		S. J. Kent	1897–1900	3
		C. E. Watson	1900	3
New Jersey	1878	James Bishop	1878–1893	15
		Charles H. Simmerman	1893–1898	5
		William Stainsby	1898–1903	5
		W. C. Garrison	1903	.....
New Hampshire	1893	John W. Bourlett	1893–1896	3
		Julian F. Trask	1896–1899	3
		Lysander H. Carroll	1899	4
New York	1883	Charles F. Peek	1883–1893	10
		Thomas J. Dowling	1893–1896	3
		John T. McDonough	1896–1899	3
		John McMakin	1899	4
North Carolina	1887	W. N. Jones	1887–1889	2
		John C. Scarborough	1889–1893	4
		B. R. Lacey	1893–1897	4
		James Y. Hamrick	1897–1899	2
		H. B. Varner	1901	2
North Dakota	1889	H. T. Helgesen	1889–1893	4
		Nelson Williams	1893–1895	2
		A. H. Laughlin	1895–1897	2
		H. U. Thomas	1897	6
Ohio	1877	Harry J. Walls	1877–1881	4
		Henry Luskey	1881–1885	4
		L. McHugh	1885–1887	2
		A. D. Fasset	1887–1890	3
		John McBride	1890–1892	2
		W. T. Lewis	1892–1896	4
		William Ruehrwein	1896–1898	2
		John P. Jones	1898–1900	2
		M. D. Ratchford	1900	4
Pennsylvania	1872	Thomas J. Bigham	1872–1875	3
		W. H. Grier	1875–1879	4
		M. S. Humphreys	1879–1883	4
		Joel B. McCamant	1883–1887	4
		Albert S. Bolles	1887–1895	8
		James M. Clark	1895–1903	8
		Robt. C. Bair	1903	.....
Rhode Island	1887	Josiah B. Bowdich	1887–1889	2
		Almon K. Goodwin	1889–1893	4
		Henry E. Tiepke	1893	10
*South Dakota	1890	Frank Wilder	1890–1891	1
		Robert A. Smith	1891–1893	2
		Walter McKay	1893–1895	2
		S. A. Wheeler	1895	8
Tennessee	1891	George W. Ford	1891–1893	2
		John E. Lloyd	1893–1895	2
		F. P. Clute	1895–1896	1
		A. H. Wood	1896–1897	1
		A. D. Hargis	1897–1899	2
		R. A. Schieflett	1899	4
Texas		Chas. H. Huberich	.....	.....
*Utah	1890	Joseph P. Bache	1890	8
Virginia	1898	A. P. Montague	1898–1900	2
		James B. Doherty	1900	1
Washington	1897	W. C. P. Adams	1897–1901	4
		Wm. Blackman	1901	2
Wisconsin	1883	Frank A. Flower	1883–1889	6
		H. M. Stark	1889–1891	2
		J. Dobbs	1891–1895	4
		Halford Erickson	1895	8
West Virginia	1889	Edward Robinson	1889–1893	4
		John N. Sydensticker	1893–1897	4
		I. V. Barton	1897	4

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